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ATGTGATGTGAGCGCNCTCTTCGTNGCTGACATGNGCAN >SARS11.B21_A08_-_053.ab1 1763 ART ACACACCACAGCACAACTAGAGCGCGCAGGAGCGAGGGACGCTACGTGAC GAGAGACAGACTCTCGCGTGTTGCAGCTCTTTNCTGCNCATCTGTA TGCGGGGTGCGCGCCTCGACGCGCAGTGGCGCCTAGTGACGGGAGTGC CACATGAGACTAATCACTATATGTCGTCCCTCGACTCATAAGATACATGT ATACACACACTCATACTATCTACTCTAAAACCATACACATAAATATATAC ATCGCATACTCCAAACAAGTCACTTGCAGCGTCAGTCCGATCACTCTGAT CATGCTCGTAGTCGTCTGCGATCATGTTATCGTGTGTAGCGAGTNGACTC TCTCTGATTCTCGTCTGCATCACGACACTCCTTCTCGATTCTGACTCTGT CGTTGTTTCGCTTGATATTGTGGCGTCGTGTCGTGCGAGTGCGTTGACGC TTACTAGCAGGAGGACTCNGCACGTCAGCGCGATACAGCTCGTCGAA CGTGGTGTCAGTGGTGAGGTGCGCATGCGTCGCCAGCACGCGCGCACTGA CGCGCTGCACGCTGCCATCTCGCATACCGTCGCGCGCGCATTGCGCAGTA TCGTGATGTGGTGAACGAGAGCTGACGAGTGATAGAGCATAGGATGCAGT NAAAGCTCGTGTAACGATGATGTACAGCATGGATCAACACACAATCGCAC TCGTCTTACATGTCTTGTATCATATCGACAGCGCTGATCGACTACTGAGC CGTGCTANACCTATCACGCAAGCGTTAGATGCATCATGAAGACATNACAN GTCGAACTGATAGACTACTAGAATGAACGACGAACCATGAGTGACGTCCT CGATCATGGGAGTGATGACGAGATGCCGCATGACGTCATCTGAGCGNAGT GATATTGCTAGTGCAGACGTACTATCCGTGATATACGAGTCGTCGCGCCA GGACATTCTGTCGTTGTCGCAGCAGCAGCAGATATTACGAGCAGATA ATATAGAGCACTCACTAGTATATGACGTATGACGACTCACTGACGCTCGC TGAGAGCTGTCGACTGTCTCGCTCTTCGAACTGCTCTCATCGCCAGTAAT GNCGTCTCGATATGACGCTACTGTAGTGCACCATGAGATGTCGTCAGTTC NCATCGCTACAGTACATAGTCAGTCGCTGCTGCGGATGCTATCANACAGT CATATAACTACAACACTACTACTCGCATAGATCTGCATCCNGCCGAGGAA CTACTATGACTCTGCACTGCATACGAGCTCGAGATCGTCATANACAGCAG GCATANCAGCATACGACGTACTGAAGCACTCGAGAGTTTACCGCAGATGT GACATTATCACGCTATATAACACGATGACATCGCGATCATCGAGCCTTAC GCGCATCAGCAGATGCATCGCGACGTTATAACAACGATCAAATACNGTAA TCATGTGGAGACTCCAGACGATAAGACGAGCGAACCGAAGAGAACAATCA GTACCGTGCGGCTGTGAGATGCGGTCGTGTGAGAGTGTGAACATCANG ATGTGGAAGCCGCGTAGAAAGCCGATCACTGCAGCAGACCAAACGATCGA ATCATAGTTAAGCCGTGATAATACATATTGTACCGTATAACGACGCTGCT ACGAACTACCGCACTGCATGGCGCACGAGCGCGTACGGTCGAGCGTCTCA TCTAGCAGTACTCAGTGACACATGCTGCGTATTGTCGCGTACACACTATC **GCGAGACGCGATG**

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>SARS11.B21_B11_-_090.ab1 1883 O TGTGATGCTTGTATCTGATACGTTTTTTCATTGTCTCTATCAATGTAGGA TATTGCGTGGGCGATCCGATAGTGCGGCCTTATTATACAAAANTATGAAT CTCTTCGGACGCGTGTAAAACCACCATTATCACTTCGCTCTGTTTCTATC TCTTCCTTTCTCATATCTACACGACTTTATCGCTCTATTGTGCCCGC TCGCAAAAGTAGAAGTACAGCTCTACGCNAGCACAACACTACCACCGTAT CATCCACCACCGCACTGTGTCTTCAGCCTGTGCTCGTCTTTGCTCATCTC TCTCTGCTCGATCTGCATCTGCGCGAGCGTTGATCGGTGCGTGTATCCTG ACTGCTTTGCGCTCATCCGTCANCGTATCTCGTCTTCATCCGATGTGTCG ATACGTCGTATACACCGTTCTAGTCTACAGTACAATTNCATCGATNTATC ACATGTGAAGCAACGACTATACTCTACCCAGTGAACAAGCACTGNATACN GCAATCTCNGTCAGTTATCGTCCACATCGCCGCCTTCGTGTATTTCTCGA CTATACGTGGCGCCACAGCTTCCTTATCACTTGCTCGTTCATGATGCGAT CGCTGCGCCTACTATATCCACATGCATGCTGCGCGCGATCGTACACTCTT AGTCACATATACGANGCGGCTATACAGAGACTATATGGCGTCGCTACACA CGTCATATGCTACTAACNTCTACTCCTCTTTCTTCACTCTCCTNCNCCGT CACAGACTCTACGCTACATAACTTCTNACCTCACGTGCTCACTGTCGACN ANTCTAGTACCCTAAGCTACCATATCCACCCGGTAGACTGTGCTANGATG TGTCGCCTACACTTGTCTCGATGCGTGCTTACTGATACTAATTATCTGCA TCTACTCGCCGCTATGTTCGTGCATTCTGTCGCCTCATCCTTAGCACACN TCGTCAGTTCGCTGCCTTNATCATCATCATCGCCACTCATCCTTACCTCC TATCTTACGTGGTCTGATACTNATTGATATACGCGTCGACACTGTAATCT GCTTGAGCAGTGCGGCGCNCAACTGATGATGTGACTACCAGAGTATCCAT GCACAGACTAGATCATACATGACCACTCAGCAAGCTCACCTGCTCTCCAG ACNGTCTCGTTATCGCCTTCCCANCTTNTCAGTCNCTTCATGTGTATATT CTCATAGAGTNACGTATATCCTGCATCGNTTTCCACCGAGTACGTGTAGT GTANTCTATCACGCCGCTCTCCNTAGTATCTCTCCTATGTCCTGCNTATC ATCTGCTCGCTGTGCACTGCACTTTCTGCCGNCGCGCNGCCGTCATANCG TGCNGTGTCGTTGATGTGNCTCAGTCGGTGTCACCNCAGCTGNCGNCATA CGCTACGTCATCTCATGGACGNNCNCTTCGCCGCGCATGTATGATTTGAG ATGNGTAATATGTCAGTCAGTCTACTATGCACATTTAATGACTCAGAGAG AGTGCCTNCGAGCTGTTATACTCGTGACTGATCACCTGTCTCACTCTATC CNACTATGAACATANCATGCCAATCAANCGAGCACCAATACCCTGANANG ACGTAANATGNCTTCAGTGNTNGGAGNTATCTGGTCCGCTGTAGCCCTCC GCTACGANCGTCTGCACGTCTATGACGNGTGCGTGCGCTGGCGTGTCTAT GCGNCTAACACGATGNTCAGTCATNCGCTATACCTCACGCGCANAGNCGC ANGTGATGTGTATGTATGCTCGCTCACCACGTANGACGNNCCTACTCAT

CAGATCTCGATCGACACATCTATTATANTAGTG >SARS11.B21_B12_-_101.ab1 0 ABI CTCCTCTCATATATAACTCGGCAGCTTGCTAGGTCGCTACATATGATTGA GTAGTGTTAGGAGTACAAATTAACAGTATATGTTCAGATGTTAATATTAT ACAGAGTGAGGCGGTAGAACGCCGAGACGCAGGAGGCGGTGACCGCGCTG CGGACTACTAGGCACGAAAGCCGAGCAGTTCTCTTCTGCTATCACTGATG AGGTTCGTAAAGACTGGCCTGTCGGGTAGATACACTAACCATTTTATATT ATAATAGTCTGTATTGGTCATATTGATCTTATACATAGGTACTTCCCATC ACACATACCAACTCTACTATACACACATATATTGAAATACACTCGACACG ATGAATCCACTGTCACTGATAGAGCACACACTACTTTGTACGTTCCCTCT ATATGTCGTGTCTCCGATGCTGTCCTCTGGTATTCTCTCAGTTGAACAGT CTCGTCGCTGCGTTGGTGCGACCTTTACAGACAATAACTATATGCTATAT CTACTACCACTTCGCTCCAACTCAAAGTGACTTGACACACTCGGACGTCT CGCGGTGTGCGGATCGCGAGAGCGATGCAGGAGCACGCCCGCGAGTTCAC CGTCNGTGTACTGTGGTCACCGCGCCTGTTATTACTTGCTTCTACCCCTC CTACAACCTCCTCTTATACCACTACAACAACCTATGTAGTGCAATCTGC ACATAGCCAGTTAACAGATTTACGACGTATAATGCTAGTGTGATCGAGAA TAATTACATGTATCCCGCTACGTACTTGTAGTCGTCAGCTATATGAGGCC AATATCTGATTCTTCGACTGATCACCAGTAGTGACATCCTCACATCGCAT GTAGTCAGAAGCTTGCCGATCGTGCCATCTTCTCCTAGGCTATCTGGCTT GATTAGACTCTCAGAGCGCACCTGCATCAGTCACTGTCTCGATGCAATGA GACACATCGAAGCACTAGTCGTCCGGTCTCATCGAACTTGACTACGCCCC ACTAGCATTCGACATCGTACGGTGAGTACTCTGTTCGTTGCGTTTCGAGA ATGATGACGAGTTGGAGATAGATCTCACATCTCCAGTCCTCTCGNTGTTA TGATCATTAGCATCAGTCATCTGAGATCGATAGTCTTTCAGCGGGCGACC AGATTAGAAATGTGCTCGTTCCTCTGATCTCTATCCGATTATAATATTGT CGCTGACATGTGCGACGTCAGTACATCTACCACTCCTGGCTCTTATCTTG CTCTTCTCTATCAAACCGTCTCCACACGGACGCTCGACACTTGACACG TATGGCGCGGTGCCTACGGTGGCGTATCTATCATATTCCGAATCTCCTTG TCAGACTATCGTCATTGCAAGGCAGCAAATCATTCGGACTGACCCTCATA TCTCATGTAACTAGTAGATGCTCTCACTCGAGTACTCTCGTCTTCTCCAT CTCTCGTCACACTATNCGCTTCGTGTCGATGTTGTATATGAGAGTCTGGT ANGTCATACTAACTTGTTCTCCACGTCACGTAGCTACTATACTATCATGA CATCGCACGTCAANTCGCGATGTCAGCAGCTATCGCGCATATCCATCGTA GAGCTGTACAGAATTACTCTACNATGCGTCCATACGNCGTATACNCGAGN

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>SARS11.B21_C02_-_006.ab1 1920 ATAACAGAGAGNATGCGAAGGCGGACCTAGACAGAGATCGAGTTAGCGTA AGTGAGTAGCGGGTGTGCTGTAGGTTNCGCGTGACTATGATATCGCTCTG CGANGTCGTGCNCTACTCGCCGTCCTATGGCATTGCGGACTCATACACAC GCGCGCATTATATTCGTATGAGCTGATGTACTCCACAAGCCCTGCCGTCG ATCCGNTACTCGAGGCGGANCTGCATTGTATATGTTTTATGCGGTGTGTG TGCTAACACAGTAGCAGAACGCTAGCATCTACTAATACCTCTCCTTCATC GATCTTCTCCGCGTCGTACACTACGGCAGTACACACCTGCTATACGCCAC TCTCTCGTAGTCTCACCACTTTGCTCGCCTCCTACGCGCCGCCACACAGT CGAGAGTGACGCGAGGGCGCGACTCTGCACGCTGTCGATCGTCTTTNT ACGATGCGCGCGTACCGTTATGCGACGTATGACTTGAATGTTGTGTCGAG CGTAGATATTAGATAATATCATCAAACNACATATAAAGTGCACTGATT CATAACAACTACACCTCAACTGCGCATAGTGGACACTCGCGATAAGAGC ACACACCATTACACACTCNCAATGTGTGTATGGTCGTTTCTCTAGGTGAT ACTGAGCTNTGTGTACCTGGCAGACGTAAGGCGAATGTAGGCGCCGCAGC GCGATACCTACATTGATATCCTCGCATCATCATCGTCGTCTACACGATGC TCCGCGTAGATGTGCACGTTGAACTGCGACTATCATGACAGCGTAGCATG TGCGATAGTGANCAGTGTACGTCGGATATATATAGACCTAGTGTGATACG CTGTATGTAACTCTTCGTCGTNATCCGTCCGGACGACGCGCCTCTGCATT GACTCTACTGTCATCACGGTGGTTGAGAGAGTGTTAGTAGTTCGATTGAT ATTATACTGATTTAGCTCGATATGGTATTGACGACACGTNATCGCAACTG CGATACTATACACTCACTCTCTTACTCGCAGAANGTATATNAGCATGC CTGTCGGTGAGATACGTATGTATCACGACGCTCGCGTGTACTACCTGTGT GCACTCGAGTACTGCAGCAGCCTGACGCACGTACGCTGTCATGAGACGAC ACATCACAGTGAGTGTGTGTGATCTNAGAGTGACGCGCGAGAGCTGTACT ATAGTAGTGTACGTCGCGTCGAGTGATAGCGTCGATNAACTGAATGATGC GGACAGACGACACTAGAATCGAGCTAAATTGATAGGATATCGACCCTACA GCACCGTACCCAGAACATGAGCTGACTCTCCTGATGATCGTTGTATCGAT TATATATTTGAGAGATGCTACGATGGTTGCGANGTCGTCGCGCATCTNGC GTTCTCTCGTCCGTGCGACTATATGTGAAATCCGTGTCGACCACGGAACA CGCTCGCTCACTCTCGTGTGCTCTGAACGCACTGACGGTACGTGTGCGAT CGCCCACAGAGCGCANTATATGCTACATGATGTAANACCGCGACACGTCG TAAGTGCGCATGGATACGGTGACACACGCGCATCGGTCGTCCAGACGACG GTGTGCTGGCACGTCGTCTGATTATGTAGATCNAGCGCATGTAACAACGA CGACACAGTGTATCTCAGAACAGCTGAGAATGACTAGGCGATATGTCTCA GACTCTCAATCATCATAGCTACATGATACCTCTCTAGATACGACCG CGATCACGAGCTGACGCACATATGTGTCTGCCGGCGCGTACGTCTTCCCG ACGCTCGCTACTCCGTATATCCGTCGCTACATAGTGTCGTATGATATCAT CNTACATTCAAAACGTATAN

>SARS11.B21_C03_-_018.ab1 1538 CTGATCGGATTTGATATAGGAGGGTATTGTGGGATAGGGAAAAATGGTGT GTGGTTGGTGTCCTTTTCTCTCGGGATCAGGTCCTCGCGGGACGACG CCGCGGGGCGAAAAATAAATATAAGGGTAACAATGGTGTTATATCTGCC ATCTTACCTATGGAGTAGCAAATGTTGGTATGATGTTGGTTTGAANGTCA AATGTAGTGGATGCATCACCTTCATCTAAGTGGGCGCTTCATAGTGAGCA CGAATGATGACAGCGGCGGCTTTACAGACTACTCTTCTCAGAGCCACTCC CTGCGGATATCTGCTGTCTCGCGTCCTGCTGGAGTCGACTTTAGATATAG ATATGAGCTAATAATGGAGTGCATGATAGTAACGCGTCGACCAAGAAGTA GATAACAGTTGGCTCGAGGTGACGTGGAGGACGCTAGATGACGAGTGATG AGTAGCACACGAAGGACCAATTGGAGATCGGTAGGCACAATCATAGGAGG ACGAAGTTGACGCACGGTGTTGACATATTGGACTGTGCGTACTCTGTGAC TAATGGGGCAACATGTGGACACGGGCGTAANACGTGGACTGGATACGCGT GGATAACCGAGCGCGGGGGGATGTAAATACTGGGGCGTTAATGGCAGCAA TCGGGTTATAAGTGAAATCTTCAACGACANTATCGTGATATTGACTGTCA TGGATCTCACATGTGCATCGCGACTGTCACATAATACTATATCACGGGGA CTGGCTGCGCTCGCGCAATGAGTGCGAAATAGGTGAGATCGAGGAAT ATTATCACGAGGAATGACCTGAAGATATTGCTATTATATNACGCTCGGAT

ACCGGCTAACTCGTCGATATGGATACGTGGTGTGTATGGCTATCTTGCAG GCAAAGGATTCTCAAACTATCACATGAGGNTTACCGGTGGCGCGCAAGGN GTGTGGCGCATTGNGGATTGGTAGCAGAGAGCAATACGTACGGAANCAGA TACGATATTGGTTACCATCGAGAATCGTCGACTCATATTTATGACGCAAC ACGGGTAATGGATGGCCATGGTGCACGTGCGGACATCATGANTGGCTTAC ATAGACGTTCAGAAGCCGACTATAGTGAGATTGCTGCCTACTATGGNATA TATGATGCTGAGCTATTANTGTGACTCAAACNTGGTAAGTGTGATCANAC AGGCGTGAGCCACATCAATCAGATGTTCGAGAGACTGTATATACCGAATG NGTGNCTAGCCACGATGTACAGTACAGCAAGTGAGTAGTCTACTAAAACC GCGGCAGAGCATGACGGTGCGGATTCACAAAAGTCTTCTATATACCACAC TTCGTCTGGTATATACAGACCTACTNAGCGCTCACGTACGATACTGTGCG NTCTACGCATGCATATGTGTGCGCTAATACGCATATGTGATTGCACACCN GCGAGTGTAATGCACGCGACACATCTGTGATCCTCACGANACGCGGTGAC GTCACTTGAGCANTAATGNTGGATTATAACAGATATGN >SARS11.B21_C04_-_022.ab1 956

CCCACACACAGAATCCTAGTAGAGGTTATGAGGAGCGTGGGAGAAATGAC GCCCGCACGTGTCAGACCTAATGAGGCTGGAGCCGCATTTTAAAGCTCC CCTGCAGTTTCTCTCTCTTTTTCCGGCCCAGAGCATGATTCCCCTCGAT GGAAGCCCGTGGAGAAGGTAAGTGGGTGGCGGGCGTCTTTAGGACCCTGG AGATCCTGGGCGGCTGTCTGGGTGTGACAAGGGACAATATTATGTGTA AGGAGACAAAGGAGCAAAGGCAACTGCTGAGTGGCATCTACATGGAACCC AACGCCGACACGCGCAAACCGAACACACCCCACCTTATTCTTGGATAGT ACGGGCCAGCAGCGGGACGGCTGACGGTAATCATCGCAACAGTCGAAAGA CCCCTCGTACAGTGCAGCGGTGCCGTACTTTAAGCTATGGGGATAGCAAT TAATCGCACAAATATAACAGGTGTGACGATCGAGTCCGATAGCTCCACCC AGGGACACAGTCCGTCCTGTGCGCGTGATCGCTAAAAAGCGCACATAATC ACGGCACTAAAGGATATAGCGTATGCGACTGAAGAATGGGAGGGGGTGGG AGAGCGGCGTAGTCCCGGACGACGCGCGACACCCAAATATTTTAGCTATG CATTTTACTCAACCTCCGACTACATATCCAACGAGTATCAACAATACACC GGAACACCGTTCATTAGCGCCAGTCGCTCGCACCACTTCTGGCCTCGGCC CACTCTAATCACCCAGCTTTAAGGCAAGAACACCGAGCACCATCCTACCG CCTACGCCGTAGCCAGAAACAATTGCTCCTCGTAGGTCGTCATTAGTGCA CAGATTCTGCCACGCATAACGATCGCTTATGAGACGTCGGGACCCAACCC AGCGCAGAGCACAATCAAATCGCGAAGTCGTTTTATATGATCATGCAGAG GCGACG

>SARS11.B21_C05_-_034.ab1 1315 GTCTTCTGTGAGATAGTTGGCGCCGCGTCTGGCACATACGTCACGCTGTA GCGCTACGTCGCGCGCGCCTGTGCCTGTAGGAAAGCAGAGCACTGGTGC AGTCGGGCGGTCATCATTGAGACAGTAAGTATGAGATTTTCTATATTTCA TTGTCGTCCTTTGAGTCCGTGCTTCTCATGTGGATGTGACATGACGGAGC AGTGATTGTTGAGGTGAGCGAGTACGGCAAGTGAACGTAGTAGTGAGAGG CGAGTGGACATAGTAGTCACGCCGTGTCAGCCATGCGCTCTTCTCGTGGC GCGGCCATTACCCTTCGACTCTATAAGTATACTGGAAGATGCTTCTAC TCGTTATATATTTATTTGTTTCTAACTTGTATTCTTTACTTCATATGTTC GTTAGTGACCTGTGTGCCCTCTTATTGTCTTTCTCTTTCACTCATCTCGT GTGGGCGTGTCGTTGTTGCGGTCGTGAGTGATGTCGTCTCCTTGTGTA TCTTCTTAATTGCATATAGTATCTATTTGTCGCGGTGAATACGCAATGTA GATGGACACATGGTTTTTTCTGGGAGAGAGATGACGGTAGTTCACTAGCT TCTTTATGTTCGTGATGTCGCCTCTCGCCCTGTATCCGCGTAGTATAGTT CTTTCGCACCTATCACTCACTTGCGCACTCTTCGTTTGTTATCTTTTACG CGTGTTAGCTATTATATATCTACTGACTGTCGATGCTAGGCTTCGACGTC GCGATCGTATGTCTGCATAGATCGCCTCCATCCTATATAATAATGCTGTC GTTGTGCGGGTCTGCTTAGAGGTTTAGCTGATGATTCTCTCTATTCTCAT GTCTGCTGTCTCCGACGCTCGTTCTAGACGTCTATCACTTCTACTGCT GTAGTGAGCTCGCGATAGCGCGTCTGCTCTCATATCTCGTTTCCTCTATC CTGGCGTTGCTGTCGTCTCTCGTGGATCCCCTGTAATTCGTCACG TCTCAATCGCCGCGTCAGGTCACACCTCGTCCTCACGTACGCGCTTATCG TTTATGCTATTGATTGAGCCGTCATACGTCGTGCACAGCTGCTGTTTCG TGTTATATGACGCATTAATATGCGATGTTGATTATCGTTGGAGTGATGAG TGCGTTCTGTTTGCTCACGCCGCCATTTATGTGTGCTCTCATGAACTCCA TCTCCATCGATCATCTCTCTTATACCTCTGTCGTCCGACTATTGTTCG TACCTCCTACGTGCA

>SARS11.B21_C06_-_038.ab1 1611 0 ABI TTAATATAATTATTATAATAACACACACAGAGNGAATACNATATATAAC TANATATCTAANCTATCTAATATAGCGACGTACGTAACTACATCGCGATT GTACAGAGTACTCCATACTCTGCACGGACACGCCTACAGTGCGAGTTANC TGCATACTATATATATCTCTCTACACATTAGCTACTCCTAAAGTGCAC GATATACTTATGAATATTCTTTCATCTTATCTCTATCCGCATCGCACA CTACTACCAATCTAATCACCATTACACTCTAGAGTATTATTCTANCTCGT TATACTACATAAGTAGACATATATATATATATAATACTCATGTAGTCG TGATCATTTTGAGCGTAAGTTCGCCGTGTCGTCGCCGCTACAGCGACCTC TCTCGCTCGTCCTCACTCATTAATATATATACATAATGTCATATAT GTCTTGTCATCAATCATCAATTCGCTTAACAATACTTTCAACACTAATAT ATATCTATGTAATCTCTGCTATGAACTATCTAATCGTAATACAACTANAC TACAAACATACGCACAGATCGCCACCAGTAACACTATAAATATTAACGAT GAAACAGACTGAACGCAGACCAATCAACAATATCTACTCTACTCTAGC TCCACTCCGTGGATGCCAAGTACTCTCAACTCTACTNATACTATACACT ATCGCGATATATCACTTTATTGTGCACTTATTACTCGTCTCGCGGCTACG CATCATCTGCTGACATTGAATAAACACTACCTACACTACAAATCGACATA TATCTGTCATACTAACAGTACTCAATTGCCTCACTATACACCACAATATA CGAATACAACCAGTCATNGCGGAGCTAGAGTAAATTAAGTACATGTATAT TAACAATGAGACGTACCTAATAGTGTATTCAAGTAGTTGTGAGTATGGAA TCATATCATTGACGATGTGACTCTATGATGAGTATGTAATATTGAACAGT CTATCTCGCGTTCTATCTTCCTACATCATACTCTTATCGTCCTCATTGCA CGCNGGTCAACAGATCTTCTCAGCAATTGCACTGTTAACTGAATATGATG ACCGCTGACTACACTACTTCACCTGTCACGACATACGACTTACAGAATAC CACTGACGTAGCATACACGACCGCCAACACCTTTCTTATGTAGTATCAAC CAGTTATAATAGAGAGCTCATNACGATACATTCTATCAACTCACTATGCA TCTCTANTCGCGATATCATCATCACTACTTGATCACACCAGATCATTAAG TCATTCTAAGAATATGATATGACTCACTCAGTATTATATGAGCAGCTCTA CGCGTACATTA

>SARS11.B21_C07_-_050.ab1 1904 ACCCAATGCTGATGTGGCACTGTGGCTGTGGAATGTGTATAATCACATCA TATATCATATCTCACGATTCTATGATCATTTAATGAATAAATGTGAGATA AGGAAACGCGGGAGAGTAGGAGGTGAANAAGGAACGACTGCGAGCAATCC GACACGACACGGCTCGTCCNCTCTCAACTCATTCTCCTTAATGCTCTATA TTATCTTAGCTACTTATTCTAACAAACACGATCCACCATCATCACCAGAT ATGACAATGGACACAGAAAGAAGGACAATCCGAGAAGTCGCTGGCGCTTC ATCGTGTGTGATGGGTGTTCTTAGGGTGTGAGTGGAGGGCATCGTCACAA AACAGATACAACAAAACGATAATATGCGCCACCGATCCCGCGCACTGAGA TAACATGTTCACTATCATCATACTA**TT**ATAGCTCGTATGTATATAATATA TGCTGACATCTTCTACTCTGTGCTGTTACAGTCTGNCGGTTCTCTGGNCA TCGCTCTCGANGCTCACTCCGTGTCTCTCGCTGTGTCCGTCGTGTGCC AGGTGTAGGTGACGATCTACCGTCTATCGCGTCCGTGAATCCTATGCTGC GTAGCATTATATCAACTTAATGTCTGTCTGTACAGAATACATAATTCGTG AATATCAGCGCTCCGTNTAGATAATTAATAAGTACGTACTATATGACTCG ATAGCGAGCTGCGGAGCATACGCGAGTCGTGATGCAGCTGCAGACTGCCG ATGGATCAATATTNCGTGATCATGATCATCGCTGCGCTGATGACACACGC CATGCAGACCGGTCGTCTTGATATGCCNGCCGTATAAGTGATGTCGATGT GCTGTATGATAGAAGGAAGTAGCGCTGTCCTGATGTCATACATGGTGTAT GTTAGCAGTGTGCAGCGTATGATGCACTACATGATTATCGAGGCGCTATC TGACCCTACTGTCNTTGAGCAGTACGCGCGTAGTTACTCCTTACTTATCT ACAGGTATACGCATAGTACTGATATGACGCTAGTATGCGAATTCATAAAC GTCGATGTGAGATGCAGCTGCTGTATGACGTTTCTTTATAGTATGGACGC GAAGTCACCTGTATGATCTGTCATTAGTGACCGAACAGTAAAGATGCATG ACGCTGCAAACGTGATGGTAACTATGCTCGTCTAGTCGGTCTCGACGCAG GCATGGCGCTCGTTGGTAGCTATGTCTGCATAGTCGCTGACTTATGACTC GCTGATATTGACGTACGCGTACACAGTGAGATGTATGTGGTAACTGATGT CGACGATATCATGTAGATAGTCGCTGATGTGTANGTCANGTTTGATGTAC

>SARS11.B21_C08_-_054.ab1 1460 ACCAAAAGAANAAGAGGGAAGTGGGAGGGGGGGGGTTGGTGTCTCCTCTTG AGTGATTGTTTTGCTTACNTCGTATGTGAGGCTGTTGGGCGCTGGGGGAG GGTGAGGTATACCATGTGACTACCACTTTAATGCTGCTCGCGCTATCCTA TCAGATGGTTCTACTTCCATTACTCAACGAGACAAAATAATGGCGAAGCG ACCAACTACAACACACAATCTGACGTGAGGTAAGGTGATGATACGTATAT GAGCAGTGTAGGCATTATGACGAGTATATTGTCGTTTGGTTCTTTGTTGT GGAGTGTTGTGATGAGGCTATGTCGTGTATATGGCGTTTATCCTTCTGGA GTGAGAGAGGCGACAGGCCAACTGGGCGAGCGCCCCTCCGACTGCTGTG TCGCTATCTAGAACCATAGGATCACTTAATCCACAAATCAGCGTCTATAG CGCCACCAGCGCCCGGGTGCCGGTGATGGAGGATGGATGCGGCGTCGC GAGGCGTCGCAATCAGGCGCCGGTCGGCCAGTCGAGAGACGCCCGGAACA TAGTATATAACCTATTATGACGACGGTCGTAGAAAAAATGAGAGCGCGAC GCCTATGTGCGATCATGCGCCAGACGAGTTGCTAGGGAGCTATCGTCGCC GTCTGCTCAAGTTCATCATGTGTAACATAGACGATCACTTTCAACTGGTA TACTAATAGGGATCGGTTGGACTGCACTGACGCCGTAGAGCGTAGCGACT GATCTATATACGTGAATTTAGTCTTTGGGATCGGCGACCGGAGTGTGGTC TCAACGAGGAGGACAGTCTACTCGATGTGCGTTCGGTCTCGTCAATTAT ATTGACGCTCGTACTTCCTATGAGGCGTGAGTCACGGAGAGCGGAGATCA GCTAAGAATAGCGATGTCCACTCGGATCCTGGACGTGAATCGGTATGCGG CGTACACGGCAGGCGCAGATTGCGTGGCGTGTTCACTAGACTGTGATCTA GCCTGCCCATTATACTACTTTTCATCCCCGACGAGCGGAGCGTGGTATGT GTGTAGGGTCCTACACGTGACTCGGCTGAAATGTCACACCACCGTCACAC ACGGCATGCATCACGCACTGACTCGCCTCTCATGATCCCTCACAGATAGT CCCCGGCTCTCAGGCGATATTCTTAATCGCGCTGTTCGTGCGGCTGCGTG AAGTCCGGCCTGTACAATGTCTACGGCTCCGTTCAGTTGGCATAATACAC TAACCGACCTATTGGTGGCACACATCGAGACAGTAGATAACGCGTGGAAG GTGATGCATGGACACTACGAGTGCTCGCGCTATGTGCAACAGTCACAGAA TGTCACAGAGTCCAGACGTACACAGACGCGAACGCGAACGCATACGG GACTATTACCTGCGACGTCAGTTCGTGCGAAAGACATGACCATGCCGTGT CACAGAGACG

>SARS11.B21_C09_-_066.ab1 1180 GAAGTACGAGATTATAGAATAAANTGATAACATAGATTATTGTTGTNTGA GGTGGTGCTCCATACTTCCTTCTCTTATATTATCACTCTGTACGTGCAGC GACAGAGAGAGGAGCGGAATGATGGGTGTGTGTGTTGACGGGAGATA TATGTGATGTGATAATAGGAAGATAGTGCATGGCGTGGCGACGGTAGCAA GGGCCAGAGACTCGACGCACGCACGCGGAGAGTCAACATGGCGAATAAGC AAAGATGTGTATGAGTAAAATTGGCAGGACGATAANACTGCGAATATATG TCTAAATTGCAATACTTTGTGTGTCATAGTATTAAATTGGGGGTATATGT AATCTAGTGTACGATCCTGTGTGAGTCTCTGTTCGTATCCTTACTTCCTC GCGGGGTGGGGGGGGGGGGAGATGTATGTATCCTGCTGAGGGGCGCGTAT CTGCGTGTTGTGTGTGTGTGTATCTCTATTATATTGTGGAGGTTGCGT GGTCTTGCTTGTAGTTATGTTTTTGAATTGTTTATCTGGTGCCTGCTCTC ATGGACTCGTCTTTATACGGAGAAGATAGTAATCGATACGATGTTTGTGT TGACTTGGTTTATTTGTTATTAGATGGGCTGTATTCGATGTGGATGTATA GGTAGCGGATAGGTGAAGATGGCGGATATGATCAGGTTTAAGTGCATGGG AGGAGCTCAGATGAGAGGGGAGAGGGGGGAAGGAAGGCGACATTGGTACA TAGCACTTGCGTGGGTAGGTAATACATGGATATGGACAGTCTTGATATCA TCTAGAGGGTGCTGTCGCAGTTGGGGGATGTGGGAGTACTGAATATTATG AAAGAGTTGTGATCCTGGGATACTTGGTGAGCTGGAGTCGACGAGAGATG

>SARS11.B21_C10_-_070.ab1 1499 0 0 AB: TACCTGANTGACTCAATGTATTGGTGTGCGTGAGTGTGTGATTCTATGCT CGTCTACCACCGAATGGGTGGCTGTAGTTGCAGCGTCTCGTTACCAGGAG TCCCGTCCACATCCGGTGTGTATAGCGCCTGGCGGGTACGACGCACTGGC GCCGACCTCGTTACGCGTCNCCGCGCTTCTGAACCACCATCGCCATTCTC TCCCCATGTTCCTTATACCTTATCGCGTCCTTCCTCGCCTGTCCTGCTCG CATGTTACCTACACTCTAGGGTAAGTCTTATACGATATGTACTTGCAATA GGTGTGCCACTGCGCCGCGCGCGCGCGCGTGTGTGTGTGATTCTGT GTACCGTGTGTATGTGTCTATGCTCTGTCGCNCGCTCCGCGGCCCCGA GCCGACCGTGTTCGCTCGCAGGCTCTGATGTGCGCGGCGCAGTGGCGGGT CTCTTCTCTTTTCTCTCGCCTCTCCTACTGCACTCACTGATACTCCTCTA TCTCAACCACTNGTGTGTGCTCGTGAGCGATCCTTGTTCGTCGTGGCACA CGTGACCTTGACCTCTCAACTCTCATCGTCACCTGGTTCTCGAGAGTCTC GCCTCTTCGCCTATACTACNCACCTGATATCGTCCTCTGCCTCGTAGCTG TTTCGTATGCAACACCTTGTGCTATCTCTCTCGTTCCCTGCTCGCGCTCG ACTCTGCCTGTCTATGACTATGTTGATGAGTAGTGATTGAGCGCCTCGCG ATGTCATGGTGGGATAGACGAGTCTGTCTTGCGTCATCACATCTCTCGTG ATGTTGTCTTATACTTATCATCACCACTTCATCTGTCTGCCCGCTACACG AGTCTGCGCGACCTTGCATCCGGTCTCACTCACTGACGCTATCTGCCGTC CGTCTCTGTCGTGTACGCCTCGACGTCCCATGACCACATCTNTGGTAGTG GTCGTTGTCGTAGTCGGANACACTACAGCAGTTCGGCTCGCGCCGATANT CGCGTGCTGTCGCTCATCTTCAACACTCGTCACGTGCACTNCGTGGCACT CGCATCTCACAGCCGTCGCTGCGTGACTACGCTCGCGTACGAACGTCGAT GTAGTACTCGCCAGCTGCGTTCGTATGTTTCGCCTGACGTATGCGAGCCT AGCTGTGCATCGATTGTGCGTGTGCTCTCGCGACCGATNCGTCGCTAGTG TATGCGCGTAGAACGCTTCATCTATCGCTCGCCTGATGCAGCCTTCGTGC GTGCTCGNGTTGCTCACGCCGTCGTNGTTGTCTTACTACTCCTTACTGTC TGCTGCATCACTTGTCGTGCGTCTGCTCATCATACTATCTGTCGGTCTAC TCGCACGCTACATAACTGAGTATGCATCGTCATCTGAGCTGTTGCATGN >SARS11.B21_C11_-_084.ab1 1428 0 ACATCAATGACACACCCCAGACACGATACGCGAGACGGAAGCGCAGGAAG TAAGATCTCAATACTTGGTTCTGTTTCGCTGTTCGGGTCGTACTACAGAA GCGACTGTAATTCCCCACCCGTTGGTCACTGGGTGTGGTAGTGACTAGCT TGAGGTTACAATTAATCACATTAGAGAAGGTTCGTATGCGGGAGCAGAGG GGGGCGTAGAGGAGACGCAGCTGACGCCATGCGGCCTCGGGCGCTGCTGA TGCTGATGAATAGGGTGTGGTTAAGGAAGGACATGGAATAAAAGGATGGA CGGTGGTCTTACGATAGGCATGTGGTGTGCGTGGTTGTGGTGCGCTGGTA ACGAGCGCTGGGTAGTGATAACGGTTAGAGCGGTAGTGGTCTACTAGTCT GTGTGACGCGTCGGCCGCTACTCTGACGCACGGTTACACGTTAATAGCGC CTGAAATGGCCGAGCAGACTCGGAACGGACCACCGAGGACGGGAGGGCGG CTGAGTAGTGGAGCGATGTGTACAATGGTGGCGCGCTGTCACGATGGAGC GGGCGCGGACACTGCCTCGCAGCGCACGAAGCGAGTGCGAGTTCGGACG GTGCAACCAACGGAGCTGAGAGCACGATCGCAGCACTGCAGATGGCGATG AAGTGGAGGAGCTACGTCGGGGGCACAGTACAGGCGGTCGGAAGTGACGC TGACATAGACAGCTGACATCACTCATCAACACTATGCGNCGCACGAGTGA AGGATGACTAGGTGGCGAGTAGTGGATAGAGTACGAGATGTGCAGTGAGC AGACTGAGTCGCCAGACCAGTGTGCGCAGTAGCTGCAGGAGCGTGTGCGC TGTATGTCGTCGCGTGCTGGCGGTGCGCGGGACTGTGCTTGATCGCTCGT ACACGTCTTGGTGAGCCGCGGCGCTGATGTGNAGAGGCCTGGCGTCGGGT GGTGAGTCGCAGGTGATGGCGTGATGTCTTCAGATGGGTGACTGGATGAT GACGATTAAGACAGACTGCTNCACAGATGTTCGNACTGCTGCGCGCAATG CTGTGGCGCGGACGATCGACAGCACANCGATGCGACGCTAGGAGNGACGC GCGTATAATATCAGAATGCATGTCAGTACAGCGCATGCGTACGCATGCGA TCGGCGATCGCGCGGAGACACTCGTGGCGTGGCTATGTGA GACTGACGTGAGTGAATGTGAGTGAATGATGGACGAGCGATATCTGAGCG AGTGACGGATAGTGTGTATGATGCGAATGAAGATGTATCGATATGTGCGA

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>SARS11.B21_C12_-_098.ab1 1758 CGGCTGCGTCGAGGTTTGTGAAGCATGTGCAGTGTCGTCAATACAATACT TACCTCACAGATACAAACGAGAGACAAGGCGGTGACGACCACAGAAAGTT ATAAACATATAATATGAATTCGTATATCTTAGAGCGTCCTCATATAAAGC ATACGTTANGTGCTCGTGGTCAACTCGTGTATGTCGGCGTACAACTCGCG CAGTGTGCACCATGCGTACTGACGTATGACGTAGTGTGCTCTGTCAACCC TACGCGCTCTCACACTGACACACGACGACGCAANCGAGGCGTCAATACAC GCCTTCCCTGTATTTCTCTTTATCTCTATAGCTATTCTTATGTTTATATA CGATATAGAAATATAAATAATCAATCTAAACTGACTCGAATCATCTGCCT TCAGTCTGTCGTGTATGTGAGAATCGCAATGTATATAATATACTATATAA ATATAAACTGCTAAAACCTTGAAACATAGTTTATTAATGACACTACGATC ACGAATCAAGCCGGAAGAAGGACTTATTGTGTGCGCGCCGGTGTCTCCAG TCGTCTGGCGCGTGTTAAGCCTCTCTCACGAGTGGTCGTGATAGTTGACC TCTGGTAGTGATGATCGATGATCTTCCACTCATGCCGTGATGCGACC AGACATATATCTACGACTAATGCAGGAACACACTCTGTCATAGTCTTCAA TGACTGTAGGTGTCGTGGCTGCCTCCTCGCAGCCATCCACAGCCGGCATA ATAAGTAAGGGTCGGTGAATCAAACATTTGGCNCCTAGCTACCTTCGATT GACTGTGATATACTGTGTATCGATGACGTGTCTGCATAGGATGTATATTA GTCTGTATAACAACAGCGGAACGCTAGCGCTGTGAGAACGTCGCGACCAA TCTGCAGCTGCCACTCGATCATCTCTATAGAATCGGCATATACAGTATAG TCAGTTCTTGATGATCCTGTCCACGCCTCGATCCGTACTATGAGCGCCGC ACTCATTCGTGACACGTCTTATATATGATTAGCTGATAGTGCTAATAGGA CGTCGAGNATATCAACCATGATCGCCACACTCATCCGTGGTACGCATACT GTCGTAGTTACTAGGTATCGTAGCCTCCGCTCATCGTCACCACGTATACA TAACTACACCATCNATGCAACATATCGTGTGAGCGCCATCGTCTCAATAT ATCCACGTATGTATAGAGAACGAAACAACGCGTACTTGAGACTGATACTT ATACTGCAGTCGTATCATAATGTCATCTCTGTATCCTCCCGTACCTTAAT NCTGNGAGTGTTCGTATTGCTGAACGAGCCAGTCTCAGATATATACTCGC ACGTCGTGGTATATACCATAATATCGTGTATCTATATATGCGCGCGTGGT GCTGTANACTCATGTGCGTGTGATGCGTGTACTACAGAGCGTGCTCTGCG ATCTACAGTAAGTTGTCTAGCTACTACGAGGTTGTCNGCGTCGAGCTGAT GACGCAGTGACTGATANTACACGTCACTATAGTCAGACGACATCTACATA CTACTAGTGTACATCACTATTAAAGTNTGCACGCCAGCATGTCTACGCAT

>SARS11.B21_D01_-_010.ab1 1589 CGTAGTGCTGATGAGTCGTACTCCTACCTATACATGAGCGATAGAGT GGGACTACAGACACGCACACATTCCGCACACTACACACTCTGCTCACTAC CCTACATATANCCNCTATCCTCAGAGCCAGGCGTGAGATGATGCAAGGTG TTGTCGGTGTAGGCGTGGTTGCTGTCTTTTCTAGTCCACCTCAGCCTCGC CCTGTGCTGCAGTGACTAGTGCCTAAGTTCNTGCATACTATATGAGTACT ACGGATAGCAGCATGGATAGCAAGTCGCGTGATCAGCGCAGCGCAGATAG AGATAGTCAGCATTAAGCTGTTGATGAAATAGTGNTGCGAGACGTAGATG ATNANGACTCGTAATAGAGTCTGTCTCTAGTCGGTGTCGCCGCCTAGACC ACGTCACACATACTGGCGCACACACACACTCCATGCCGCGCGACACNCNTT GAACTCTACCANCAGAAGAGAGAGAGATAGGGTGGAGTCGGTGGTGAG TCAGGTGGGCGAGTGCTGGAGTTGAGTGAGGAGGTAGTGTAAATGATG CTGTATGACGGCGGATACTAAGAAGTAGTTACGACCACTCTCTAGTACAT CTCAACACACACTCCGATCAGCGCCATCGCGCACGAGCACACAAGCGCGC AGGCCGCTGGTGTCGGCTGCCATGCGCCAGTGCGCGCTCGTAGCTGCGCC TCTCTGTCCGTGCATGATCTACCCGCGAAGGGCGCGGCGNAGCGTCCAAC ACATGTGTGACGCTGCAGTCATGCACGAAGCGGCGAGGCCTCATCGTCAT GAGCGTGTACACTTGTCATCATACGNGATGACTTGATGACGCGCGTCGTC CTAGTGCTGTAGACACGACGACGTGAGGACACAGTGATGTACACGGCGCT CGCGACGCTCACATCTACCGTGTGTAGTTGTCTGTGCTCGTGCTATACCG GCTCATCTCACGATCCATCTCCTCATACGCTCTATGTGTTCATCTCGT CCCGCGCGTCAATGCTCAGTCTGACGTAGATGCCAGTGATGAGTATGTCG AAGCGGATGGAGCGACGCGAGTACGAGTACGATGCAGCGTCACCATCGAG AGCGGCGACGATGCAGTAACGTATGAGTGGGATGAGGAGAGGATACGGGA

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AATATGACTACGGNCGTATCANTCCGACTGCATANGCTGACTACTNCATA CTTANTGTATGTAGTATGTGCNGNCTGCAGTANTAAAGCAGACTACTGNN TAGTAGTGCATANCANNCATTANCTACTCCTCCATGCAATCACATAGACT ATNATCATATTAANNACGCCCGNACTACTGTGNCGATACACGGCTGGTGG CTCTGTCNGTGCNTNTNACTCCTCGTCATCACTCTTATGCGAGACATCCT GCTATGTACTAACTTACTGANACTAACTAATACACACAACTATANTACTG CAGATGATGACGTCGAATAGGTNGTAGTGTTGAGCGTNTCGATCANGTCG ATNCACATNATCGNAGTAGTCATCAGCGNGCTGCTGGNAGTACGNCGACG TAGCGAGTGGGTGANATTATTACNTGGTGTGNCTTATGACAGCGTNGTCA GAGNTGCGGCGAGTTGNTAGTGTAGTGNGAGTGGTACGTTGTGCTGTGAG TGTACGTCGTCGCTCGCTACGCGCGATCCNGANAGCTGCGAGTCGTCT GCTATGNTGCACGACGGCGANCGGCTGNAGCTACGCANCATACGCAATAT TGAGTGTCTCATCGATGTAGCTATGTGACTGCGATATAGAGATACTAGAG TGAGTGAGTATAGTAGACTCTGACCGATCTGGNATGAGTCATAATAGTAN GAAGNGTAGATCGGCAGATGTGTACGATAGATCCCATAGTGTCGATGTCA TAGTTGATCACTACGCANCNCAATACGCGTAACTATCGACGTGCACGCGT AGTCGAACGTCGTCTGCGCTCACGCGACNGACGTGCTCTACGACTCCGTC CAGCAGATGCGNTGAGNGTGNTGATGACGTCTCACTGACGCACTGCATNT GGATAGCACCGTGAGTAGACGCCTCGTCTGCACGACTGAGTGACATACCG CACTATCTCGAANATACGACGACTGCAGGACANCGTGANTCTGTCACGGA TATAGACACTGCGTAGCTAGCTAATACATACGGAGATGAGACAGCTATCT ACAGACGCGTGTGAGCACCGCAAGTGANANTCACGATCAGCCATAAATCA AATATAATACTATCNAAGTAGATACTACNTGCATGCTGACCTCCC GTCACTTCAGACTGCGCACGTCGATCATGACGCAGCGTCATGCTACTACC GCTATCGTNCACTGTGTNAGAGATCTGACTCATCAGACGAAGCTGTAGCG ANAGAGCGATGCGNATGCGTGTGACATAAGCGCGACCTTATAATATCATG CTCACCGTCAGCTACGCACACTCGTGCGCGATCGACGACGGCTGAGGCAG ACATCAGCGAGTATCATNCACACANTCATACAAGTCATGNANCGAGTGAC ACGCNCAGATNTAGATCGCAGAGTCGACAGACGTATAGAGNTAGCAGAGN CGAGTGTGAGTAGGTATGTCATGAGAGATAGATAGGATAGCAGCGA GAGANTTAGAGATGCAGTAGCATGAGCAGAAGGTAGAAGCACTAGACGAG NCGAGCACGAGTAGATATGAAGTACACGNCACGAAGACGCCAGACGCAGA TACAGATGTAGAGACTACTATAGATATATGATAGAGTACATTATGATGAG CACGAGCAAGANATAGGATGTAGCGACATAGTGTGATACAGATGTGTGTG AAGATAGTAATAGTAANGATATACGTCGNATCTGAGATAGNTACGAGACG CACAGAGCNTCTAGCAGCGAGAGACCCGAGAGACGTGCTGTNGTATCAGA CGCTATGCGCGANGCTGAGACGAGCGCACTANAGACGCTGTAGCGAACAC GACCAGCGTAGACGTCAGTCTAGAGNATGACACGGATGANTGTACGATAG CNCGCGTGTATCAGCGTAGCGGCAGCGATGCACGTAGCNTAGTCATGTCA GNCAGATGATGTNAGCCTGNCTGTGACGTGTACTGTNATCTAGCTACTGA TCATTCTGACGAACTGTATGTATACACNATAGCAANATACTGATGCTCAA CGNAGTAAATGCGCATCTAGCGNTCGTACGAGTCGCTGCTGTAGTACATG AGGTACGANCCATAGCGAGCGCAGNCATACAGANACGACGAGCATCGTAG ATCGTGCACGNCGAGACTCTCACGTCATGTAGAGATATACGAGAGCATGC ACACGTAGNATCTGACGATGCAGCACCATTGANTAGGCGNACATGATCAT NTACGACAGACACGCTGACTAGAANCAGATAGCGCGATCGTGATTAGNCG TCACCTNGTACGANATGTACATCTATACTATGACTN

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>SARS11.B21_D04_-_030.ab1 1514 CAACTCGTGTTGTCAGGTACGAGGACATAGTGAGGCGGTCACTACACCTG ACCCACGATACCACACCACCTCGCGGCGTGGCCACCGACACCCCCACCCC CGCACTACCTAGCACCTCGGAACGGTCTGTATTTTGATTATTTAGTTGTG TGTGTACCGCTTATCATGACGGAAAGAGATAGAACGTGATGCGTGGGTAG CGTGGTACGGTGAATGGTATATATAACCACTTCTTCGATGTTGACGGGAG CCGTTATATTGCACCGCAGCTCTGCCGCCACCATCCTTATCTTGATGGAT GCGAGCTCGAGAGGACGGTATGAGCTGCGTANCTCATAGCCCATATTTCT ACACTGAGGCCAGGTGATTGATGTGTGTCTCGAGACTACTATAAAGCTA ACTCATTCGATAGTCTAATCTTATCAACGGTCGCACGCGTTGCCTCTGTA TGCGCGATTACACTGGGTCTGTTTCTGGTAAACAAAATAATGCACGGCAA CGACGCCAATAACACACTATAATGGCAACAGCGTGAGAGCTCGACAAGGG ACACCAGATGAAGCGAAGAGAATAAACTATACGTGCTATGACATAGAGCT CATATCATTCACGCACACCTTATTCAGCACATGAGATGTCACTGGGTGGT GATGGAGAAGACGCCGTCAGCGCGTGTGATGTAGGTGTGACGGGTAGGTG TGCTGATGACGCAATAGTGATGGATAAGAGCTTCACGAGGTTATCGGATG ACGTATCGAAGAATGATGAGCCTATTGATAACATCCATAGATAATCTAGA ATAGATGCTCGGAGGTGTCGATAGCTGTGCGAGGCCGTGCTCGCCTCATG TGATAGTCCCGTGACGTACGGCGCTACGCACGCACNTCAGTAGAGGATAT ACTATCGTGCGCGTCCGCGCGGAGAGTAGATACGACGGGTGTACGATAGC TGAGGTAATGCGGATCCTCGTAAGAGCGGCCTCAGGTAGGCGATGNATGA CGACGACGGGACGCCAGACGGTGTCCGTGAATTACAGATGTGCCGAGTAG GTGGTGAGCATAGACGTAGTGGCGTGGTAGGGTGTACTACGAGTATAGTA TACCACACACAGTAGACGCGTACGTGAATGTGCGCCGCCATGTGTATAGC CGATCGTACGCCTAGCTCTCTTTACTGAGCACGCACTGTAGCACAGAC GCCATGGGAGAGGGTTGTCTGGATAAGTCAATCAAATTTACTTCATACA ATATGCTACGCAGTATTGAGGCGTTGTCTGGTCAGCAGCGCGATGATATN

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>SARS11.B21_D05_-_042.ab1 1653 0 0 AB:
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TGTCTCACCACCATCAGTGTTACTCTCGCACGCATAGATATAATATAAA GGNAGGATAGTAACAATCAGCACGTGGAGCAGTCCGCGTCTGAGGCGTAC AGCACGCTGACGACAGAGAATCAGCACTGCATGTAATCGCTACGTATTGA TTCTCATCAGACGTCTGCATTATGTATGTATCACCTACTGANTACGTGTA GATATAGCACACAATATGCATANAATTACTAAATCTCACGATGATATACG GCATATACGNGCATCGCCGCGTGTCGAGTATATCATCTGCTCTATTCTAT CNTCGAGCGANGCATCACAGCAACATNCGTCAGCACTATCGCGCGCACTC TCACGATCACATTGGATACGACATNCATATGAGACTGCACTCGATACGTG CGTG

1699 >SARS11.B21_E05_-_035.ab1 CCACACTTCACTACGTCGGAGCACGGACACACGCGGTAGGGAGACAGGCT CGAGCGCCTAACGGAGGCAGAGACCCGCAGAGTGGAGGGGAGGGGAGTGG GATACTACCCTCCAACACACATCAAGATAATATAATCTAATTATTCTCGC TCTCATCCTAGACGACTCTGGGTGTGAAGTTTACATAAGGCGGAAACCAA GACGCGGTATGTGCGCTGGCTCAGCGCACTAGCTCTACATGGATCGTGAG CTTCTCATTCTCTTCTTGTTGTTTCATGGCGCGATACGTTGATCAT GTTGCGTTAGATGACTGCTGGATCGACGCAGAAGACGATCATGCTATCTA GGCACTACAATTAGTGTATATATAGGACGACTCAGTCACTCCTAATCGGA CTTATGACATCATATAACGCTGCCTGATGAGTATCACCACTCATGATGCT CTGTCTGGTGGTCTCTATCGTGGTGTTATCAGAGTGTGTGGCGCTGCGGT CGTGTGTACTCTCGCTCGGTCATCGTCTATGCTCTGCTGACACTAACN CTATATCTGCCCTCTTACCAATTCTCAACTAACTATCCGTCAGTACTATG TATCATACCTGCTTGGACTAGGCACATCTGGTACTATGATGCGGTGCTAC ATCACTCTATAACTCGAGTCACTTATCTAGCGGATCANTGATTACGCTCA TTTAATACTCGTCGTGCCGGCTGCGTGTCAGCGCTCATCCACGACGACGT GTGTTGAGCACCGTGTAGCGACTCGATGCAGTCGTGTGCTATGTGGCG CTTGATAGTAGTCTGTGCGACGTGCGTAGTATCNTGAGGATTATGCATAC GGTGATCGGCGTAGGCGAGAGAGGGAATCGTACGCTGAGATCGGCTGCAT TACAGCATCTGCCGCATGATAGTAATATTACCCTGTCGATGAGTCAG CTGATCTGCTTCTGGGCTGCGGTTGTTGTCACGTCAACAGTCGGCACATGC TTCCGCGCAGCAAGCTCGACTGACATATAGATATGTAGTCGTACAATAAC TGTTGTTTAGAACGGAGTGTGACGGTAACACGTAGCGCATCGCGCGCACT CATCAATATGNGTCTTCTACGACGTCTCCTCAACATCTACCTAACTACGC TTCTACNGTAGTCGAGTAGTCTACTACGCTCTGCCACCATGAGTTACGAG TGTNACGACCTCACGTATGTCGTAGTGTCACCTGATGTAGATACGGTCGG AGTCGTAGATANCGTTGTACCACTAGTGTACCTATGTAGATGAGAGCGGA TGATTGACAGTACACCAACTCTGTAGCATGCTATGTTATAATAGATGACA TATGATCTCACTGTATTCTTACACAAGCCGCGCATGAATGTCAGATCACG AGATGAATATACGAGTCTGACACTGATGACCACGNCGAGAGTACGGACCC GCTCGACTCTGCGCGTCTGCTTAGAGCGACAGCATACACTTGTCGCC TCCCGCTTCCGTATCGGCATTTCGCTCGATCCGATCACCTAGTTCACGN >SARS11.B21_E06_-_039.ab1 2413 GCTGCAGCGACTCTATTGTCATACTATGAANCGCNCTCCTGGCGCTGCTC NGNCGCGGNCAGTGCTCCAGGCGTAGNAGTANNNCTACTAGTGNCGATGT ANNTCTGACTACTGTGTCAGCACANTGCGCTGCNTNACATNNTNTACCCC TNNAGTNTNCGTCTATNTCCTGATCGACCCATACTTAGCTGCAGCATTTG CNCGCGCNCACCGCGCCTATCNATACTAGTAGNTGCTACACTACTAT AGTTACACTGATATGTAGTATATAGAGATANTGATGCGTATTGCTTTCTG ATGTTTATGCGCTGTCAGATTGTTNCGCTATCGTCTCGCTCNGCTGCGCG CAGGGCTAGTGGCGCGTGCGAGCAATCGCTCTCACGCATGCTTGCATGAT CGCTGTGCTATGCTGTAGCGTNGATGGTGTGATACTACGTATACGTCGAT ACTACCGCNTACGCTATGATGCTGTNGTCAANATGAGCCCACAGNCNACG ACTAGTCGATGAGGCGCGCGGTACGTCGCGTCGCACTGCGCCCGTCTATG AGATGGCGGTATCGTCTACAGCTATACATGCTCTCATGNATNANCATTAG TGATATGCTNANTACACGACGTCGTAGTGGATGGCTAGGTATATTACGCA TCATACAGCTAGTCTCNTCTTGCAGATGTATGATGACTGTACTCTAGCAT GTAGAGATGTAGTGTTGACGTTGACAGTGACGTCGAGCAGATGTNATCAC GCAACACGATNNCACATGCATACCTCCGACCTCGAGCTACCCNACGCACT ACGACGNCTAATATNCGCGTAAGGCAGCGCTGTCTGATCAGAGTACGCGA TCGATGGATGACGATGACTGATGAGGTCTGTACAGGTCTGGTGTCNNC TGCGCGCGCGATGNTAACTCANTACGCGAGCGAGCATGTCNAGTCGTGT ACGTGCTCGNTAATCTCTCTCCACTTGATTGACTCATGTCGTCGTCGTGC TGCTAGANGNCNGTCTGATAGTGTCGTGTGCTGCTGTATGCTGCCGTCTT TGTATCTCACGCTGTATGACTCTGTCGCAGACTGTGCTACTAGTATGTGA TGTCGTACTCGTCTANTCNTCTATGACTATCGCTGCCGCTCTCNCTACTG CTCGCATCATACGCTGNTNCTACTCTCACGTACTCATACTGTACGTNTNA TCNCGCGCTCTCTNCTGTCNGNACTGTCGATAGCACGAGTANATCNGTCA AATCTGATGTAGTGCATCGAGTATACGAATGCTGATAGATCGGCCTGCTC GACATGCTCAGCCTGCGCTGTAGTGCGATCGTGTCTAAGCTCATCTCAGT TNTATGNCTACAAGTTCATATCCGCTAGATGCGAGAGTANTCGCATCTCG CTGACTGATGAGTCGTCAGCTGTCAANTGGACTAGTGCGNTGTGNTAGCG AGACAGGTGACTACGNCGCTCCGAAGCTGTACGGTCGCTGATCATTCGTG ACATGTGCAGTCTATAGCGAACTCCTACGTCGCTATGAATGGAGTCTGTN GACTACTGCAATGATCTCGTCTGCGTCGGTAGCGTATAGCTGTCTGGNGC TANGTCTCACGCTCGGTATGTTGTCGACTTGTACATGAGACGGNTCGTCT CATCGGATACGCATNATGGTCCGTCGAGCAGTACATCTACTACGTCGTGA CATCGAGACTAGAAGGTGACTGTGAGTGTGTGAGAACGATAGGTGAT ATGCACGCGCAAGATAACAGACANGGACTANGTCTGATCGTAACTANGCG ACGTCGCGGCTCAGCTGTAACATGCNGATCGGGGCACTGATGCTAGTCTG ATGACTANANTCGTCGATGCTGCGACTGCTGTGGTCGACTTAGAGTAAGT ATTCGTCCGTGTACTGCGNGTGTCAGTCGATCACGAACTGATACTATCGC TGCTGCGCGTGTAGAGCTCTCTGTGCAGATANTGTGCTATGCTCGTGAGN CGACGCATGTGTGATGAGTACATCATCAGTGACGATNATCGTACGCAC GAGCATGCTGTTCTAGTCGTCTACGAATCTGATGCAGTGTGCACTGCTG ACATGCGACTCAGTACCGACNTCATCGCGTTNCACGTCGTAGTCGACGTC CGCGCAGCGTAAGAGTGATGAGATGACACATGATACGTCGACGACTGTNT ACTCACTNGTATANCACACGTANTNTGATACGTTNTATANGTTCGTATAG TGTGTAGATGATCAGCAGACTATACATTANATGACCGACATCCCATCATG AGTAAGTAGNTGG

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>SARS11.B21_F04_-_031.ab1 1927 0 0 AB ATCTTCGACACCACCAGTCGCGCNCTGTCTCGTCCATCTATTCGCGGTCT ACGCGGAGACTCTGCTCGCGTCTCCGTGCTGCCGCGCCGTGTAGCTCCTC CGCACGCGGTAGAAGAGAGACATGGCGGAGCGTATAGACAANCAATTACC CATGTAACTCGCTCGCTNCNATAGCTACAATACANAAANGACGACAGACT ATACAACGANCCAGACAGATGAGTACGCATCACATATGAGTGAAACACGT AACGCGATGCGCCACACGAGCTCGCTAGCATAGGCAGCTAAGTGTGTAGT GCACTGGGCGGAGACTACTTACGTCGACACCGCATTGTGATATGCACTCG TTGCTCGCACGACCTCCATCTATATGTCAGTCTGTTACAATACCGGCGCT CGCGGGCCCGCGTCTCGCCCGTGTGTCTATTGTTCTCTCTTGTCTCCCTC GTATAGGACTTTCTTACTTGGTTGTTGTTGCTTGCCTATTAATTTCCACA TTCTCGGTCATCTTTCACCGTGTCGTTTCTACATTTACCCACAACGTACC CCGGGGTCGCCAGGCGCGCTCCGGCCGGTTGTGCGGCGCGTGCTCTTGAG AGGCTGGATCGCTGAAGTAGCTGGCGTGCGCCCTGTCGCCTGCAATGCAT CTTGCTGTACATCCACATGTTCTCTCACTCAGATGCCATATCGACGTAGC TGTAGGTGCCATACTCTTCTGCCGCTGGAGACACAGACGTTCGAGTCGCG TCCGAGCCTATATCGTTTTGGTCCAATACACCGTCGTCTGTGTAGTGTGC GAAACCTCTGGCTCCATGTCCGCGAGGCATATCGCCGCAGACATCGTATA TAGTATATACGTGTACGTATATCCTCGTCCTTCGGACGTCTCGATTAC TTCCTGCTGACTGTTACGAGCCGAGCGCTCTGCTAGAGCTGCGGTCTA CGTCATTATGTGTCTGTATCGCTGCAACGCTTTCTGTATTCTGCACTACT CACTGCGAGNTCTAGCACAGCTCGTGTGAGTGTGTATATTGATGGATTAT GTTGGTGNTCTCTGTCGTGCTCGCACGCGTCCGTNCGAGCTTGATGNTGA TCGCTGCGCGCAGATGATATTACTGCTCGTGAACGTCCTTACATGTAC GTTCTGCACATGTCAGAGTGTGCACAGAAGNACGCTCGAGCGATTGGTAC ACGGCGCGCATCTGTATGCTCAGCCCTGAGCTTATGTGTACATGACCNCG ACTAACATAGATGCGATACTGTGACTGCTGATGAGTGNTCTNCGCGGNGT TGAGATNAGTATGCGACTGCGATCGTATGATCGTGCATNTATCTGCGTTC GNCGTATCCTATCCACGTCTCCACTACGTGCGTGACACTACGCTGCGTCG GCATGGTCGTACATGTCGCCGCGTGATGCACTGTGACAATGTAGAGTAGG TGACGTGCTGATGTATGGTATCTATGTATGCGCACAGTNCGTACGGANAT CAGTATTAGTATGCGTGTGTGAGATCGCCGCGACGCCATATANCTGCGTA GATGCTGAGCGNGCATCTCGAGCGAGTCGAGTTGCTCAGTGAGGTCGACG CTACCAGCGTCGTCGNGATATCTACTCGGAGTGAGCACGAGGCGACGTTC ATGAGTCTCATGTCGCGCCCTGTCNAGTGCAAGACNTCTCGATCGTATAT TNGNGCATCGCTGGTACTCATGTACGACGCTCAAGACGCACAANACACGA CCTAGCGGACNTCNCTACGCGACGAGACGTNGNCNGCGTNATCGATGCGC ATCTCAGTGTCATCGCAGAGNNCAACNCACTATCATGNCCAANTCACTCG CTNTCTATGACGACATATATTCTACAGATGACAGTACAGCGACACGAGGA GANTGTCGTCTCTAGCACTCAAGAGCN

>SARS11.B21_F05_-_043.ab1 1721 TGGTGTACGTGATCTGTGTGAGCGTGAGCTTTACCATCACGGGCGCACTA AGATAAAGACGACAGGCTATTCGCTCCGACTGTGCAAGAGCGGTAGCCAC AGAGGCGGAGAGTGAGAGAGATAAGCGTTAGATATAAGAGATTCATAGGG TGTGTCGGACTGTGATTTGTATAGTGTTGTTATGTTCAGCGGCGATGGGG ATCACTGGTGGGCTTCGGTACCGCGATGCGATCTGTACTTCTCGACCGCT ACGAGTGCAGCCCGAAATGGACATACCGTACAACAGCGTCTCCTAGTCCT ACTCTCTACTTCTCCACCTCCCTTCTCACATCATACTCTTATCCGGTGAT GAACTTAGTTCGAGAGTCAAGATCCAGCTCTGCGCATTGATATGTACTCG ACGCCGTGGGTCGTGCTGCGAACTTACTGTCTATTTCATCAGGATGGTTT CTGACGAGGTATCTGAGTCGTTATGTTGTATATAGGTCATAATAGCGTCT ACATGTGNGTCTAGACAGTGTGTAAGCGAACTAGAGCGAGCTAAGGCGGG CATGAGTCTCGCTCGGCGTCATCGGTGACTTCGACTCCACGTTGTGCTTG TACAGCGTTTACTATATATGTATTACAGTGCATGTTATCTGTAGAGATAG ATGCACATGTATGTTGGAGAATGGAGCAGTGTGCTAAGAATACACTCTGC GCGTTTCGCGTGTTCATCATCGTTGTAGGAGATGCTGCGCTGCAGTGTCT GGATGATATATGTCTTATACGCGTGAGAGGACACGCACGGCGCTCGTG CGTCGCTCGCTGCGATATGTACTGGTCGGACGCGCACTGGAGTCGACGGA TGTCGAGCGACGGAGCGCGTGAGTNGAGCCGATAGTCTGAGGATGAGACG

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>SARS11.B21_F06_-_047.ab1 2618 TGGTCGGTCAGCGACTGTCNGTCTTANGTNNGCTAGCTNAGACTNNGCAT NCNCNATGTAGGCTAGNNGCNGTNGTNGGNAGGTGGATNGTAGGGATGCG TNCGTAGCGANGTAGTATTNAGTNNGCGGCTNTGANGGNNCTANGGTNGT NGNTGATTNGGATGNNAGTAGGNCTAGNCNGGNCCCATNGCTNGCNTCNG CNNNCTNCCCGAGANNTGCTGGTTNCAGNATGACTNGNANGNCAGNATGA CAGCCNGAGTACGNANCGNCGNTAGGANANCTACGGNATNGTNAGTCNGN CTGGTAAGTNACGGNNGTNGATNGCAGNCTNGTGATTNNTTGNATTNNNG TAGTNGANGTNCGTACTGCTNGCTNNANNCGCTTGNATATCNGTANTANT ACNTACTANCCCTATNACCTACTGGCAGNTTGCATGCGCNGCTNNCTGAG TNACANTAGNNTAGCNATCATGCNGANTCCTGTCGTNATGTAGTACCTGG NTACATTCGATGAACCTNGTNNNTGTNNACTNGTCTNAGTTAGCTCCATG NCGGTCCGNCGGAGGNTCNGTCGTACGNGCTNCANCTGAATCATGTANTA TTAGCTACNTGNAGCATNGNANCAGANCATCGTACTATCTTACNTACCAC TNGACATAAGANCTAGTAGANGCANTCGNTAANCAGCTACAGTATGCNAG TCGGNTGACTGCATGGCATGCCGATNGCNGCTCGNTCGNNCGCTNGACTN AGCTNGATTGCGACNAGTGCGACTGATGTNAGTNGTGCTGTAGATAGTAC AGTAGCGTCAGTAGCANTAGTATCGTNATCGTTGACGATGACGGCATGTA GATGCTACTTAGCCTTNGACTCTGNTCATCTGCATTACGATACNATACTA TANTTGATNCAACACGANTAGTCGACTGANCAACGTCCNCATGGATGCAC TAANTATACGNGAGGTCGACNAGCANNCGCNGTAGCTNGTNTTGNCTGNN ACTGACTCTAATNGNANGAGTCGATGATGNTCGCTNCGTCNTGCATNTGG TCGTCGTTCAGTCNATCGATCGTNGTNACGTGCTGATNTNCTGGTAGTGT GACTAGTGCNTCAGGTCGATNCGCAGTGACNTANTCGTATGNTGNGNGTA GTCGTCATTCGNTNGTNGTNGNATGATCGTAGCTTTCGTTCGCATACAGA CTGCAGACTGATGANGCNGATCATCAGATGNGTGGTGACCGACAGACAGN TGAACGTNGTTGCTACTGGTAGCACGNGNTCGNTNNGATAGAGGCTGTAT CGATGCGCGCGCGGGAGTGTGNTCGACGGGAGCGATGAGANCGTCGTG CTACNTACGTCGTGCGTCGAGCGTGNGTCTGAATGACTGGCGTATGAN ANGANTATGTTGAGGTTCAGATANTCAATAGTGTGAGNTGCTGATTCNAT GTNGCTCGTCGNTGNGATTGTGTATGCGTGTANTCATGATCGCAAGCGCT ACGATANGTTGANCTGTCTNTATGTACGATGATGACTGATGTGTANGATG CTACTGCTTGTGCTTCGTAGTCGCTCTNNTGATTACGCATNGTCGTCGTC TATGCTTCGTGCAGGANATCGCGACTGCATGTACATGCTCTGTCTCACAA CTATAGTGTATTATCTATACGTCTCGTTGCTGTCATGTCGCTTCGTACAT CTACTAGATAGCAGCTAGGTGGTGGTAATGATGCCGATGAGATTCGCGNA TCGAGAAGACTTACAGATAGTACTGTATTGTGAACGTGATGTGCTAATGT GTGGCGTAGTCATGATGATGGGTTCTCATGTGGAGAGTTCGCGTGTAGGT GCGATGTGACTGCGTCATGAAGATGGTGTGAGTCTGGCTGCTGAGAGTGC TGCTGTAATATGCGTATCACTAATGATAGTTGCACGTAGTATCAGGAGCG ATCGAGCAGTCAGTGCTGTAATGATACATANTGTGGACGAAGGACTCG CGCGTCACTTAGTATGGCTAGTCGTAATCACTCAGTAGTGTGGATGAGTA TCGCCTGTAGAGTGGCTGGGCTGCTNGNCTCCTGTGTTGTACGGTCTATG TATTCCAGCTTGACAGATAGCGTCNCGCAGNCGATCGTAGCTGTGTATGT AGGGTGGCTACTCGTCGCGCAGTGTGGATCGGCACTGTGTACGATAGTGC GCTGCNCAGCATGCTAGNTGTCGTGACTCTTGTTCGTCAGATCGACCGTG

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>SARS11.B21_F07_-_059.ab1 2146 CTCCCTCCCACGNNCACTGCGATGGCGCTACGAGTGTCTCCGAGGTA GTCTCCTGGAGAGTAGGTCTCGCATCACTCTCATATCTCAGCTTGCCGTA TCATTCGTCCTANCNACTCTCNCTACATTCTCCTCCAGCTGCNGCGTCTC CCTCCTGACGAGGGCTGGTGTCGNTGTGCGCGCTTAGACNTCGCTGTGTG CTGTGGCTGTGTGTCGTAGTACTGTCCTACTCATACCCTGTGTGCTAT CAGTGTGTCTAGCACGCACGTGTGGTCTTNTAGGATACGCGTGNGACACA ACACGCACCACGAGCACGTCANTATGACGTTGATATGGAGAGAGGGTCTA CTACGTACGATGAGCAGATGCAGACAGAAGTGATTCNGCATGAGTTGACG GCGCTGTGCGGTTCGCTCTCTGAGCGATCATCTAGCTGAGTANATTATAT CGCTACGGATAGTCTGTGTCGATATGTTGATAGGATGTCGGTGGTGNGTA TGCGTACGAGTTGAGCTCTGTATCTCGCCTCCTGTTGAGTGGACGCCGGT GCGTGGAACCGTCTGGTCGCGCGATGTGATACGCACGCGCTGATGCGCAG ATGCAAGTCACACGCGCGCACGCTCTGTCGTACTCGTNCCATACAGCAAC CATCGCACAGTGTCCATGATCACTCTCTATGTAGCTACTCCANTGTCGTT TGTAGGTGACGACTGAGTATCGCGTGCTGGTCGATGGGTATGCGCTGTCG AGAGATGACTCTCATATGAGTACTGNATNCGCTGTGTCCTCGGANCGATC TGACTATGNCAGACGAGTGTCGTAGGTGTAACGATGTAGGGTATGCTCGT CGATCTCTGCTGCACTAGTGGAGCGTGATGCTGCTGCGCTACTCCTACAC GCTCAGTCTCACCGTCATATCGTCGTCGCTATACTATATGTAGGTGTAGG AGCTNATCGCACGACGTATGCNATCGATCGCGTCTCATCTAGCATCTCGA TGCGTGTGTATCTCAGTGCGTCGGACGAGCGTATGCGANGCACANTGCNA GCGCGTCTGATGACGTCGTACGAATCGCTGTATGATTACACGACTNCGGT GACGTGACGACTCGGTACCGTCTATATCNAGTAGCGTATCAGCACANCAC ATCGCAGCTCGCGATGAGCGCGCATCAACGCGCTCGTATCACGTACAGCT GCGNGCGTCGCGGTGCGCATGGATTCTGCACGTTATGCTGCGACTTGTGA TTTAGTGTACNATCGTATCGTTCATACGCATTGNTCTACGCTACAGTGAT GTGCGCCACGCACAGGCATGTCAGTATGCTCGNGTGCGGTAGTGAGGCTA CACGTTGNTCGCAGAGCTCAACTACTGTAACTGTGCGCACGAGCGATGCC ATACGATACGCGCGTCATGCGTTGCTAGGCTGCACAGCTCGTGTAACNCG TCNTCGCACGAGCGGCCTACTAGCAGAGGCAGCGTGAACGAGGCCGANGC AAACATCTATATACTAGCGTGGCGAGAGCGTGTACCACGCTNATCNTTCG CATGATGCTATAAGTATCCTNACTCATTGTAGCGTACGCTTCGGTTATCT AGTTACTGGCGACGCATAGTATGTGTTCCTACGCGTGTGAACATGATGCG CATAGNACTCGAGATGCGNTCGCTTAGTGGCACCCATGTCACGCGTGCTT CGCTGTGAAGTGATCACTGCGACGTGTCTGACGTNGAGAATCTCTGCTGA GCACGNTACTCAGTGTACGCGAGCGTCACGCACCTCTGCGCGCTGGACGT ATCTATCGCGGTGCAGCAGAANGTCGCAACAGTACTAGAGACTCGCTNCC ACTCAGTCGNGCGTCGCCGCAGATAATNACTAGTAGACTGACTGAGTGCG AGCNGAGAGTAATGAGGNGTAGTGTGTGCGGCTCTCGTATCTGTATGCTT CATCGCAGGACATGAGTCTTATNTGCACCGTACGTTTCAGCGTGCTCGCA NTCTGATACGGTACCAGGATGATNGGACGTACGATCTCCGNACCGTCATA TGTACTAACATTAGCACGTGCGCGATTCGTGATAGGGCCTGATGAG >SARS11.B21_F08_-_063.ab1 1825 0 GGCCACCCGACGGTGAGGAAGACGGTATGGNAGANAGTAAAATNTTGGT CAGTGTGNTGATACTGTGTGTGTGTGGCGTTCGAGAGCCAGATGCTGAC TGAGGGATGGTGTCATCTGCACATATCATTAGGCTCACGTTATATGCTCG TCGTGCGCTCTCTGTGCGNNGCGGTCGCGTCGATGTGCAACTCTCGATAG CTCAGTCNAATCTACGCTCTCTCACGCGTCTCGGCTCGTCGCAANATAAG CTAGCTACACTTACTTACGTATNNTCTAGGATGTAGTGACTCGGTGACCG TGTGGTCGTATTGATNGTNTGCTGCTNACTTTCTCCTTGACGTCTTGTGT GTGTCTCTGCGGACGAGTAGATCTTCTGCTCTAGTCATNCGTACCTCTGC ACGTGTCCTGTTATCTCGTCGTGCCGTGGCGATAGTGCTGTCAACGTCCG

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1750 >SARS11.B21_F09_-_075.ab1 GCCAGACTCGCTCAACCTATTGAGTGAGCGAGACAACCTTCTATGATTAA ATAAACAATATATAGAAAGAGATCTAATATTATAATAGATACACGACTAG TTCACGTCACCACGCCTCACCCAACACATGGGTGTTCTGCCGAAGTGCGT GGTGCTTTATATGTCAATTCACACTTCTTATATTGGTATGCGGCACGCTG TCGTGACGTGCTCGATTATCCATCTTACTGTATACTCCGTGGTGATGTGT ACACTAAGAATGAAATTAACAATGACATCATACCACCACACTACAACATC ACTTATATCTGCTCTGTTTCATCTGATCGACCTCCTTCATTAGCTGGCT GACCACGACCTNCGTAGTACTACGACGCTCTCGTACACCTGATCTCCACC TCGACGCGAAACTCGTCGTGATAGTTGCGCGACGGTGTGCTCTGGCTGTA GAGGTGTGTGATGGCANCATGCTGCTGCGACGAGTTCTTACGTTCTGT GACTATGTGCGTATGAGCTTAGCTAGCTACGTCGACTGGTATGAGATGAT GTCGATGTATGCTATCTAGATGCATGGAGTGTCGCTACAGACCTCACGCT CCTCNGCAGCGNATGCGACTAANGATGCGTGTAATCGATGTGACGTACTA TACAGCTCACAGTAGTACGATACGAGNTATACACGGCCGTCCGCTATAGA GCTACGATACGTTGTAGTTGCAAGTCCTGTCTGATATCACATCTACGCTG AGCATGNGAGTCATGGCGTCGAATCTNTCCGCTATCACGAGGCGTGANAG CAATCGTGCGACGTCGATNATAGACGAAATGCGTTACATAGTGTGCTAGC ACGATCACATGTCACGATCTACGCATNACAGTTTATTCGACGTCACGTAG CGTGTCTGATACAATCGGATAACACGATCTGAGTCAAGCGCAGAATGTAG TGTGCGGGTACTGATGAATTACACAGCATTCACTTCGGACTCACGTNAGT CTCGTCAGTANATCTCGCGGTCTGNCTGACATCAGNTAACTCGATGAGAT ATAGTCTTGCACGAGCTGTTCGATGCAGTGTGACGTCGCGCTGCTGTGTA GTATATCTGACTGCTGTGCGATAGTGNTATGTCGACGCGTACACTACTGC ATATCTTATCTCATCAGCGATGCATGGTGTAGCAACATCGTACTCTACAT GTGAGTACTTTCATGTCGTGCATGACGTCTCAGCGGNATTCTAGTGTCNC GTGCGCTCATCAGATCTCGAATGTTAGGTATGCGCGGTCGGCGCGACGTG GACGCGTGTGAGACCGCGTGATGAGAAGAGCGGTATCTGACGGCGATTGC TAGCTGCGATGCGCGATGCGCGTGATGCAAGTGCGCTGCAGCTGCGGCGC TCTCATAGCACGCTCTGCTACGTGCATGCTCGTCTCGTGAGCACCGTAAC CTCCTCTACGCGATGTACGTACTTCAGAGTCTCGTCTAACGACTGATGAT CTGTNTGTCGCTNATACGGCATAGTGTGATACGCATCTGCNTCTGATATT TCGTGACTTGACACTGAGTNTGCAGTGAGAGCGATTGATCNGTACGCTAG

>SARS11.B21_F10_-_079.ab1 1285 0 ABI TATACACTACTGTATGTTGTTGACTGATTTATAGACTACACGGACNGG GCGAGACGCAGNGTAGGAGGCTGCGATCGACATACTACATCAACATNCNG TCGNAGGAGGCAGAGCGAGTTACGTGNGAGCTTAANGGCATCTGAGCCA GCGAGCTACTCTGCCGTACACATCATCTCCGTCTTTACTGGTGGGAACAA CATAAAGATAGCGATNACCGACGCACGTGGACAGAGCGGATCATGTGGCG ACGGACTGAGGATATAGCTGAGTGTGCTCGCATACCGTGATCACGGAGTG TGATTCTATGATTCGTACTGATACGCACGCGATTGGCGACCTCGTGCGGC ATGAGTGTAGAGGCGTCGTACAGCGTGGTGTATCTAGTCGTGTGAGCTAG TATAGTATGAGCATGTTCGTGGTCTAGTTTTCGCAGCTGTGCTACGAGAC TANTCNCGGTGCCTCGCCTGCGCGTGACGGGNTGTCTGGCGGTATGAAGG ACTGGGGTGGGGGGGGCGCTTGGCTCGGGGTGTCCGGCGGTTGTCGC GGGACAGGACGGCGAGGAGAGGCTACCGGGCGTTGCGGGTCGGAGACGA GGCAAGGAGACGCGGCGTTGGTTGGGTAGGTGGGAGTGTCTATCTGAGCT ${\tt TGTTGGTGTATGACGGTTAAC} {\tt TGTTGGTCTACGTTGTCGAGC}$ TGTGTCGTGTGGGGGGCACAGTTAGCTATTGTGGAGGCCGTGGGCTGGC GGTGTCGGCTTCTTGGTCACCCGTTGGCGGTGCGGTGAGGGGGCAGGTAG CGTCGTTTCTCAGAAGGGCGCGAGCTACGATGGTTTGCTGTTTCGCGCGC GTAGGTCTAGGGGTGTAAGTGTGTTGACGGGTACAAGTGCAGTATTGTCT GCGTAGTGGTGGACGCGTACGCCGAGTGCTGTTGTTGATTACTTCGAGG AGTGTGCGCGCATGGTGAGNACTTAAGTGAGTCATCAATAAATCCTTATG AGAGTTGATCACGCTATGTTGACTGGGACGGAGTCGTCGCGTGAGTCTCG GCGCGTTCGTTGCGAGCGGCGTATCTGCATGCGTGTGCGGATATGGGGCG TATGTGTGTTTTCTGTACGTTGATTTAGTCGGCGTGGTGATGGTTGGGGG GTGGATTGTGGGAGATGGTTGCTCAGTGGGGTAGATGTTGGGTGCTCC TCCTGACGGATTGTGTAGCGTACTGAGCCCGGGTGCATTGGGGGCTCGTT GACAGTGAGAGGACAGATTTGTGGGGGGGGGGGGG >SARS11.B21_F11_-_094.ab1 1708 GTGTTCGTGTGTTTGCTGCGGCGGGTAGGGCGATGGCGTGTGTGCTC

TGTGGGCTGGGAGGGACGGTCGTGGAGTGGCTAGGTGGTAGAGATG GGTCGGTGGGTTTGTCGACGAGGGTGGGTGATTAGGTGTGTTGAGTGTGT TGTTGAGCGTGTGTGTGTGTGTGACGGCTGGTGGGCCTTAGCTTTGTG TGACGTGTACAACGTGACTAAGNACAACCGCAGCTCGACAGTTGTGGTGC TGTGTTAGGATGCCTACAGCAGCACTGTCACNCAAACACTGGTTATACTG CGACGCTAGGCAAAATGTGANCAGATAGTCCACACTAACGACAATCTACA CGCCCACGTCTCGTCGTGGTGCTCCTGACTCACACNATCTGACTCCNGCA GTGACTCNCGACGTGGCTACGCATTGCTGTATTGCAGACTGCTGCACATA CACGTGTAGTACGCACTAGTGAAGATAGACACTGCATTCTCTCATCTCTA CCACTANGTAACACACATNTGCTGACACGGAGTGGATTGGCGGTNTGATA CACTGGNATGCGCTGTTGGAGNATTGATATGTGGATGATGAATCGTACGT GTTAGAGTTGGACTAACTGTGCATGACTGTGTGTGATGAAATNACGC CTGACCACACTCTCATGACTACTGTCTGCGCGCATGTGCGCTCGGTGGTT GCTGATGTGTCTGCTGTGCTNTGCTGTGTGAATGTGGCCTGATGG TAGCTGGTGCTCTGTATGCTTGATGCGATGTGGTTTGCTATGCATGTGCA TATAGGCTGTGGGTATGCTGGTGTGCATGTGTCATGATGGGTTGTGTG GCATGTGGCCTTGTGTGGTGGTTATATACTATGTGAGAGGATGCACGTTG GTGCTGTCANTGACCGTGTGACTGGATTGGAGGTGGTGCAGCTGGAGTTG TTGCATCTGGTGTACTCGTGTGTGTCTCTGTGTGTGTGTATCATGTG TGGGTGTGTGTGTGGTTAACTCTGCGTGTGACTTGTCTCTTGTGTGG TGTGTAGCCTGCATGATTGTTGTTGTGCGTTGGTTGCTGCAGCTGTATCG GTATGCTGATGTTCTGTGTTGTGACCATGTGGGTTGTGTATGCATGTTGT GTGTGGCTGGGAAGGTGTGTGTTGTGGATGCACTGTGGTCAGCCATA TGTATTGGTGCGTGTGGATGTTGTTGTCTAGAGTCTCCTAGTCGTGGAG TGGTGATGTCTGGTGGCCATGAACATGTGAGTGGCCGTGCTAGTTGTG CGGTGTGCTGTGGGGTGTGTGATGGTGCATGTGCGCTGTAACT ATTGTGATCTGTTAGTGCGTGCTGTTGGNAGAATAGCTNGCGTGTGATGC TGATGGCTCGATGATATGATGANATTGTTGTGTATGTATGCTATGTTATT GTGTGTTTGGGATGTGACTACTGTATTNTGCGTGATGTGTGGAGAGTGTA GATTGATGCTCTGACTGTGTGTGTCATGATGCTGGGATATATGACTGTCA TGATGCTGTGATGTATNTTGCGTGTCTTGTTGCTACNCGGTGCTGATGAC TGAAGCTG

>SARS11.B21_F12_-_103.ab1 1523 0 0 ABI TGAAGACGAAGAACAAACAGATAACAGACTGGTTNGGTTGACGTACCCT GTGTCGCCGTGTCTTGCGGTTGGCGCTCAGGCCTAGTGCGCCGGCGTGTT AACACCCAACCCAACCTCGCCCGCTGACGGAAACGCATAGGCCTCT CCTTCTCTCGTCCGTTTGCGTCGTAGGATTCTATTCTTCACTATTTGTAT GGACGCTCGCGTGCGGGAGAAGCGCACGAGTCATAGGACGGGAGAGACTA GACATTCTATTATACTCATCCAATATATATCAAATACACTCTCAACTATA ACATATAATGACTCACTTGACTCATATATATTGTTATAATTATCAGATCT CTAATCTATCACCTGTCTCTACTACACAGCTCTACATCTTTCCCAC CCCGCTATCCCTAACCAAGTACAACTCACGCGGACATTAACCGAAACTTC AAAAGGGCGTTTTGTTTAAGTGCGTATTATAGTGAGTGGAGGTATTAGTA TGGTAGCGGTATATAGAACATGACTCACATTCAATAATATACAAACTCTA TACATCATACATAATGCTATCTGTGCTAGCATCAGAGCAGAAGAGCTAGA AAGACGAAAGTCTCAACGCGAGACAGTGATCGCGTCACTATACAATACTC GGAGCAAAGATACAAGAGACATCGAGAATACACTGCACCCTCTGCGTATC GCTCATGTAAGCTCAGACACTCTCGCTGCACCATTACGCTCCACGTAATC ACAAAAACCTTAGTTGACTGCTACTTACATTCGATACTGCACGTATCTGA AATATTAACGCACGAGATCACCCAGAGCAACTGACGATGATACTGTACGA TGCCAAATATACCGACATGTCACCTTCTGATCGCACCCTACGTCCATCAG TCAATACTCGTCGTCTGCAAACCACTCCTATATGATCGCTGAACCATGCT AATAATATTGATACTATGTGCGCAATCAAAGACCTACTACGACCCNATAG TATNGAGGACTTACCGCGCACGCGTTCGACGACCACACAACAACGTGAGC AACTGCACACTCTGCAATTGACGCGTCTGTCTGCGTCGCACCTCATCTGC CACCTGATCCACGCATTGATGCGAGTCTGCGATCTCTCATACACATTAGT ACATATCATATACTATTGGTCACAGAAAACTGATCGACTTAATCAGCATC CTCATATCGATGCAGCAACACGTTAAAATCAGCACGAGTANAAGAATGAA **GCACCACTACATACACCGAGATNCACAGCATATCACATATGTATATTA** CTGTGCATACGTCACACGATACATANATCTCACCGATAGTACGCGATCGA CACTGCANACATGTANCATCAAG

>SARS11.B21_G01_-_004.ab1 1972 ATACAGTCAACACGTTACAACTAATACACAACAGNAGTCTCCCCATANNN TCATAGCGAGAGAGTGTGAAGAGTATATAAGACGACTAGTNAGTGAGNAA GTGATGATAGAGGAAGAGCGAGAGTAGCCGAATGATATGCTGNNGCGAGG TTGTAGAGAGNGNATNGGTNCTTAATATATACTNTTCANTATGTATAGAT AGAGATCGAGANGAAGATTATAAGTGTGTCGCTATACATAGAGTGNGAGA TGATAGAGAGGATAGAGAGTGCGTGATGAGGATTGGGATTGATGTGGTAC NTNTATGTAGGTAATATGCNTGTAGTAAAGATTATTCTANATGTTAGTGA TAGTGTCGTAGTCGATAATAGACAGTAGCGATGNGNATGAGAGGGGTGAT GTNCTCTATGTAATGNATGGCGTTTGTGATGACTTGAGCTGAAGAAAGCG CGCANCAAGTANGANANGAAGAGTGATATAATACATAGATTGAAGCAGAA GTGCANCGATAATGAGATGAGCAGTNCAGCGAATGATACACATCATACAT TATNATATGATAGATGGTGCGAGGCGGTGTAGGTGATGTATGTGACGTGC GCTCGCGGTGGGAGATGGATGGAGCGGTAGTGGGTGCGCATGTGGATATG TTGGGACACAATGATTTATAGTACATATATATATNGAGCATTAATATGGG CATGAGTAGTCTGTGATGACTGTTCGGGAGTCTGCGTGTAAGTGTGAGTG TGTGATCGAGGTTATTGTGCGCGACGTATGGATGATGTTGGGNCG ACGAGAGAAGATAGGTAGAGCTGGTTGATTGAGTAGAGAGTAGAGTGATG TCAGAGTGTACATCAGGTAATGATGTATCTACATATCAGGTGTATGGAGT GTGNGTGTGATGCGGTCTAGANCAGTGGTACTGAGAAATGCGAGTGAT ATTGAGACTGAATATAGTGAGTAGGAAGAATATGACAGTTGTGTTGAGGA GCATGGTGTGTGTATATGACGTCGCGCGTGTGAAGCGAGTGTACGACTG GTGCATAGTATGATGAGGTCTGAAGGCGTAGCTCGGTGTGTGAGANTG AGCTATCGATGATATAGAAGATGAGANGTATGTAGCGCATGATGTCGATA GTCTGTCTAATGATAGAGAGGATTATTGATGATNACAGTAGAAGAATGGA TACTATGTATGATGAGATGACGACAAGAGAAGATAGTGAGTAGATGAAGG AGTGTGATATATGTAGCAAGAAGTGATGAGAAGATACAGTATCGATAGAG CAGGATAGCCAGATTGAAGTGGACTGTTAGAGTAGCAAAGTAGATATCAT TGAAGAGGAGATGTTATATGTTTATAGCGCGCGTGTGATTGGNATGATGG

>SARS11.B21_G02_-_008.ab1 1790 GGTCGGCAGACAGCATAGAGGATGCGAGTGTGAATCAGCAGATACATAGA GAGTGTATTGTATACAGAGTGTCGTGAATACGCAGACGTGGGTACTAGAG AGTATAACTCGTCGATGCGCANTGACNTCTNGAATCNTCGCCGTCTGTCG CGACTCCGTCGCGCGCGCTCTATATCCNCGCTCCTTACCTCGCGCTGT CTCCGTCGTGCATGGTGTATGTGTATCCATCCTCCTACTACGCCTCTCGC CAACTCGCTAGTGTGCTGTACGTACTTCTCACGTATGTCGTATGCTAGTA **GGTGTNCTATGCTATGCAGAGTTGATAGTATACTACTCCATTACTAGCAT** ATCAATCTCACCGCTCACTCGGCTCACTCAATGTGATCTACATCTCAGGT CGATATNAACACATATCTACTCACTCTTTACGGGAACCCGCGCCGCAGTA CGCATCGCGCTAGAGCGCTACCGTACTTGAACGATAGTGGCATCGCTAGC TAGATAGACATGGATACTATGATATAGTTGTTAGTGATCGATGGCGGTGC GCGGTATAGGATACGGGCACAGCGAAGTAGGTAGACTATACTAGTAATTC TACTCATAACACCCACTACCACTACCTCTGACGATGCGCACCGATGGCTG CTCCCCACAGGCACAGCAATACGTCACACTGTGATGATACATGCACGCG TGCGCGCNGCCAGAATCTTCGCTCTTACGCGTCCTGACACCCGCTCTGGT CTCCCACTGTCGCCTCGGTGCTCTCTCTCAGCCAGTCGCTTATCGT ATGATCGTATACGTATAATCTCTGAACAGTCGAACTATATTTGCGACACG CAACGATCTAGGAGCGGAGATTGATGTAAGAGTTACTTCGAAGCGTCCGT ACCTTGCGAGTTACATAGCGAGCAAAAGTAGTGAGAGAGCACGCAGTCAA CATAGTCGATGCAACGTTATGGTTGCATGGGCAGGGATGACGTGCGCACG CGCGAGACGGTAGTTAGTGTCAGAACTCTGAATGTACACGAGATGTAGTC GAAGATGCCGTGAGTCTCATGGCGANGCTGTGTACTGAGCGCACCGCGCG TAATCCGCGCATCGGCCGAGCGATGCATAGTTCATATAGCGGAAGCGCGT GAGCGTCTATGAGTCTAGTAAGTTCCGCGCGATGATCTTATCTCGTACCG CGCAGTATGACATTGTACTACTTGATTGTTACTAGCAGCCGGCCTANCGC TCTNCCGACGATATATCACTTCTCTCATGCTCAGTCGATACTGCTNGCTG TATCGTGCAGTTTCTCGCACGGTCTAATATGATGCGCGATTATTTACATA CACAGAACTACGTACAGCAAAACGATAGATCAACGCGGCACACGATCTAG TGGACATGATCAGTATGAGACGACATCGTCAGGNTGACACGAACATGCGA CGCACGATAGTCTCAATAAGAGGAGTAATCATATAGAGACAGTACGGANT AACTACGACGTCATAATTGACTGTGNCGCTTGTTAGCTACGCTGCTTCTA CTTGTAGTTGACAGCNGCGCGCCTATGAACACGAACACTGATACTCATCG ATCACGGCATGACACGCACTATGTCCACGACTCCCTCTCATGTCGTTA CGCTTGTGGACTGATAATGAATGAGGGACGACGGAAGTGA

>SARS11.B21_G03_-_020.ab1 993 114 208 ABT CCAACCAGTACACGTCCAAGCCTGCCCCAGCTGAACCAGCTCGGAGCCTG TATTTTCAACCCTCCCTCCATGTTTCTCTCTCTTTTTCGGGCCCAGAG CATGATTCCCATCAATGAGCCCTATGGAGATGGTAAGTGTGCCGGGCT CTTCAGGACCCTGGAAATCCTGGCCGCTTGTGTGTGTTGTGGGTGAGGGGA CAAAATTATGTCTCCGGGGCCAGAGGACCAGGGGCAACTGCTGTGTGGCA TCCACATGTACCCCAGGGCCATACCTGTTCCCTGAAGCCCAGGCCCAAGG TAACGCCCATCGCCCTCCGCCACACCCAACCAGATCCGTCGCCGAAAGG AGGCCCACCGGCGCGAACGAAGCGCCTCGGCCGAACCGCTGCACCCTAA GTCGGGACAGGAAACCCGAATACAGAAAGACAAGCACATCGAACAACCGG AGCCAGGGACACCATCAAACAAGCTCCGACTCCCGGCGAAGATCAGCGCA AGCGGCCCACAACACAAAGCGTAATATACAGAGACAGCGCGGGTGATGAG AGCCGCAAAACGGCAAGGGATCGAGCGCAAGACAGGATCGGCCAGAAACA AGGAAAGACGACCACGAGCAAGCACAGGCAGCCGCGACACACACAACGA ATGCGGCGGAAGTCTGAGGGCACCCGGGGCGACTACGCTGAGGTGAAAGT

GCGGACGAGTGACGGGCCGGTCGGCGAAACTGTGGCAGTCGGAAGTATC GCAGAAGAACGACACAGCGGAGGCCGAGGAGGGGGAGAGAGGCGGGCCGGT GGAGCAGCATGTGTCACCAAGGCAGGCACGCTGCGAGTGCGACGGGG CTGTCGCGAAGATTATCTAACGCCCATGCCAGGGTGCAGCATCGACGGAC CACACGCGAGGACCAGCAGGGAGGTCGCTGCAGACTGTACGCG 1824 >SARS11.B21_G04_-_024.ab1 GTAGAGAGCGCTACGGCGATCGCGCCGGCGTACATTGATATCTTAGACAA GTGGACTCTGCGGTGACTATAAATCTAGTAGCATTATATTTATATTGCCT ATATATCACTCTGCCCTCGCCAGACTCTGNCNCTGGCAGACTCTCATATA TTACTGCTAATGCGCGTGTCTATGCTATCTCCAACCACGCCTCCGCACCC TGCTCACTGATACTCTTCTGCGTGCATGCTGTGTGTGGTTGCTATGGTAG CTCATCGAGTCCATTGNTATCTCTACTCAGTACCAACTCGCTATCGCACA TATATAGAGAAAGCATGCGCTGACAAGTCGTTGGATAGGCACATAGTATG TATGCTATCTCACTGGCACTCTAATTCTCTAAGGAGTCACCGTAGCAGGA CAAGTGTGTCGCAGGCTTGTCGACACGATGTGTGAGTCGTATGAGTGTGT ACGAAGTGACTGTACATGCGTGGATCCGCTCTAGGCGCAGCGCGAGGATG AGGATGACGACGATCGAAGTCGACAGTTCGCCGCTTGATCGCGCGCTGCA GATCCGCTTCCTGTTGTGTACTTCTGTCAGCGTGGGGAGTAGTTGCCGTT AGGCGTATGTNTCGTAAGAGTCTCCGCTCACATTACACACATTGCTATTC CTATCTATACACATTATACGACAATCATGGCCGGCGCANGAGAGAGAC GAGACNTGCTGGACAGTCGAGATTCGCGTATAGTACGTCGTGTAACGACG AGTCGGGAGGCACGCTCGACTACACGTCGTCGTATCATGGACTGCTTAGT ACTCTCTACGTATGCGCTCGTGCTGCACCCGTGCGCGTGCAGANTAGCAT ACGACTATCTAAAGCTATGCTCGAAGATACGTCTGCGCAGCGCCGNCTAT GATGGAGTAGGATGTGGCGTGCGAGTATGACGGNGGCGGACGTTAGATAC ATGAGACTGTGCACGTGCAGAGTGACTAGTACGATGTGACGGCACGTCAG CTCTGGTACTGGGGCTCGTGCATGTCGCTGCGCTCTACGCCGAGACATCT CGGCGCACATAGTTCTGATGANAGCTATCTNGTGAACGCTCTGCGGTATC GTTNCACGTATGTAGCACGACCGATACTATCCGCACTTCCGGAGAACACC ATCGATCTACTATGTATAGTCACCGTACTACTATAGTCACTGGATTCGTC GNGTGCAGTAATCACGTACGCGCTCGCACGATGNTAGTGTCTTCATACAC TGTACTTACCGCACGTCACAAATTGCATCGATCATAAGATGCAGTGAACG CGTCTGCTGTTCGTATCGTCGACATAACTTACTATCGGTCTCGCAATC ATACACTTGCCATGCTCAATATAGAATCGATATACTCGCTAAGAAATATG AGCGGNGTGATGAGTGTATATACTGCGAGCGGACAGTGCGTACTCAGCGG ACGNCACAGTGTGACGTTATGTGAGACGGCTGACGGACTCGCATGTGAAC GTCATGTGATAATGCTAGATGCGCTACTGACATGCTGCTANATGAGC ATACATCATATAGCCACGAACTGCTAGACCCCGTACTCTNCGTACTCCCG ANTGCACACCATGCAGCGCGTCGTCAATCACTACAACTCGCGAGCTCACC TCACACAGTACGGTACCTCGTGCACTACANGTGNGCACCGTGCGCTCTGA TNACTCACATGCTCTCTAANCNCGTCATCCGTTGCACATAGGTCTCCGCA GCGATGCACTACGTGACTACCNGACTGTNTGCATNATTATANTCGNGTGT GCTCTACTATCTAGCGTCATNTGA 1640 >SARS11.B21_G05_-_036.ab1 0

AATAGTGTCACAACAGCAAGCGCGCAGAGACAAGCANACAAAATTATGTG ACGTGCACAGAGCGGTGAAAAAACCGACNCTAACATACAACAATTAAAGA CATGCAGCGCATGGCCTCTGTGCGCCGTGTGCTGGGGANCGTTTTCTAG TGGTGAGTGGAGCGTTATGATGTAAAGTAGAGATATTGGCGCTGTGATGG TAGTTGAGAGTGTAGGACTCTGCGGAGCGCTGGCTCGACAAGTATCTTCA TACTTCGCGATACTGATTCACNCGTACACACGTCACGACTATACGCTAGT AGTACGTGACGTGACACATGTATGCTACATGTTCAAGAGCAAGTAGCGAT ACGCAAGACTGTGCTCGGCTTCGTGCCGATATCTGCGGTAACTGTGCGCG TGGCGCGTCCGTGGCCTAGCTATCGTGCTACTGTGTCTGCTATAGTTCT CCTTCTCTGTGATCTTAGATGTCAGNTATAATCTCAGTGACGCATTAATA TAAGCACATTGAGGATAGAAGAAAGACAGAAAGGGTACTTATATCATCCG AGACGCCACATGAAACACAGATGCTCTGTCTACGTGGTGTTTAGTGTGA TGCTCATTTGTGCTGCACACGCCTCCTCATATCGTTCATCGTACTCTTCT GTCTTGCACATGTTCTCAATCTATATACATTCATAATACCTCCATCCGAT AATCATATTACGGCTGGCGCGACGGTAGTCTCTTATGAGTGCTTGACGAT CAGTATCGGTGATTGGCGGTCGCCTGTGTACTGATATCGATAACTATGAT AGCCTAGTTGAGACGCTCAAGCGAAGACCGAGTGTTCAGCGATTGCCATG AGTACGCTGAACGATCTATCGTCACTCTCTCGATTGCTCAAGTACTATCT

>SARS11.B21_G06_-_040.ab1 1464 ART ACACTGAGTCCAATACACAAAACCCCAAAATAATAAAGATAAAACCCCGA AGAACAACTACGAGCCGCAAAGAGTATGCANAGAAAGATAAGAGAGGCGT GTCGTTGTGGAAGTGAGGTGGAGCCCTAACCTCTTATACCGATATTCCCA CCATCTCATTGCTTGAATCGCATAGTTAATAGCTTATACGGCGGACNTGC GCGCGGAGTGCAGGAAGTAGAGGTCTCGCCGCACTGGCGCAACTAGGAGC GTGAACGTCGTACTGAACAAGAACTATGACCGCAATAAAATAGAAAAAGT AAGATACATATTAGTATACTTATTATCTTCGACTATGTGAATGGGTATCT TCAGCGGTGGGTCACTCACGCGACACACTAAGATAGCACACGCAAGTTAT TCAACGCGGTCACTGATCACGTCTCCGATCGCGATATCTGAGCCCGACCC ACGAGATCGACTTACTGAACTAAATATTGCTCTATACATAATGATACAAT TGATTCAGATATCATACGAGTAAATGCACTACTGTCACACTACTAGTAGT GTGGATGTATATACTTGAGCGTCGCCACCTCATCTCAACCTCTACCCTCA CATAATAACCTATTCACTATACAACACTCTACGGTCACAGCATCGCACCT CATCATCCGATTCAATCATGTCAGCTCCTCTCCTCATCCTAATCAGCCCC CTAGTGCGCTGGACGACGTCAGCCGCAACAGTGTCACCCCGCCGTTTTAG CGTGGCTGGCGAACATTAGTAAGAACGCACCCAATCACTACGACTAATC AAGTAGAACGATGAATACACACAATCTGGAACCATATAGATTGGCTCGAA CGCTTGTGCGCATATGTTAGATACTGTCGTAATAGAAACCGATAA CATGATTACGAAGTTCTATACTGAAAGAATGTGATATGCGGTGGATGCTA TGTAGATAATATACGAGAAGACCAGAGACCGAAGTGTGTCGAATATCCGA TAATATATCGGAATGGACAGATGCAGAATATGTGCGTCGGAGGGTACA GGTGCACAGAGACGAGAGGCCCTAATCGGATCTATTACGTTGTATATCTG TAATAATCTAAGCGAGCAAGTACGATCGTCTGCTCTGTATTCGACGTCCA CTGCGATCAGACGC

>SARS11.B21_G07_~_052.ab1 1813 ACACACTCAGACACTAAAACCAGATAGTACCTGACAGACGAGCTAGTCAG CTGTATGAATATGAAGTCGTGAGAGAGAGTGTAGAAGGTATTAGTNTCTC TTCTGACGCATTCTGAGTCGGTCGTTCTCGTTGCGTGGCTAGACANTACG CCTATGTTCTTTGTACTAAACTNTGCTTCGCTCCTCTGCTTGCATCGGTC TGATGATCTCACTAGTGCTGTGTGAGAAGGCGTTGTGACGCGATAACTAT CGATACACGATTACGTAGTATAGATAGTAAATGAGATATGACTGCGGCAT AGTCAGTGTATGNAGAGGGAGTGTCATGTCGATCACGACTCATACAGTGA CTGTAGAGAAGATCTAGATCCACGACAGTACTGTAGCGACGATAGGTGNC GCGCGCGCGACGCNTGANTCTGCTCTACTTACANGTCACGATANTATNGA GCTATGATTTACGTAATGTGTTCATGATTATCTGATACTTCTTTGTCTCG GGCTGTGCGTGATGTGTGGTGTGCGTCGTTGGTATATATTTACTATGATT GATCTATATCATCTGTTATAACTATACACGCGATCTAAGCAGATATCATC ANCTAGCTAGACTCCACACTCCCGCGCTGACTCGATGCGATAACAGCGCG ACGACGAGATGGTGCGGCATACAGATATCATCTGACACTANCTACACTCT CTGAATATCATCATTATAGACTAAATATTACGTATACTGAGCACTATT CATTCCATCAAGTGGTGAGACTCAGAGGTGCGTGCGTGTATNTTGCTACT ATCGAGATACAGAATGTTTGATATAACCGGTGTAATATGACACAATGACT

CGCACCATCACGAGAGTAGTAGCGTAATGTGCAGCGGACTCGCCGCGAAT GACTGCTGTAGTGAANATCATTACGCGCGGAGGAGATCATCGTGCGACGT GACCGATTCTGCGTCCTCATATCATCTCANGTGTCTCTACTCGTCGG CGACTGTATCTCGCTTGTCTCGTGTATGTCGGAGCGTACGACTCGTCATC ATGATACGTACTACCGCTGCGATCGCGANGACGCGGATAGTGCTGATCGA TCAGTAGATACGTTGAGACAGTCGCGACTGACGACGAGATGTGTATGC GACAGNGATTAGCGTGATAATTAGAACTCATNGTGACCATGATGTTGAAT AATGACCGATGAGCTTAGCTGACTATGAGTGCGCATCNACATCGGAAGTA ANGTACTATAGTTGTATGNATAGTNANCATGACGATGATAACGCTATCAG TNCANCGTATGATGTAATCANGATGAATATATAGCGTCTAGTCTCTATTA TACATGCAGCACGCACGAATAAGTGACTGCGCTNACTGTACAGCATAC GACGTCGATGTGATATACGTGCAATAGCACGTTCGAGGAACTTNTCTGCA TACTGACATACAATAGTCGCGATCATAGCATAGTTATATAGCTCTCGTAA TACGTCGACTACTGGTATATCAATCATGACACGCTGTAGTTATGATGCGT CTATAGATCTATGGTGCATCATATAGAGATGCGATATAGTCATACGACTG TGTCTACTGGTAGATAGATCNAGTANGCATGAGTTTGAGTAACATCTACT CAGTGACAGANAGTCTACTAGTATATTGTATTCTCTGTACTCACGTANGT GCGTAATCGCACTGTCGTTATACCTGTTTACTAGGTCGNGNGTCGCCGAA TGGTAGGCTCTGTGACTACATATCACGTGATGAAGCACATGCGACGGTGT **GTGGACAGTGGAG**

>SARS11.B21_G08_-_056.ab1 1809 TCCTTACGGTGGTTGGGCGANAGGGATGATACACACCACTATTATACTCC ATACTTCCTACACTAATCGACTCACGCTCTCACACGACCGCACCGCCGTG ACGCCGCTGCGCGCGGCGTTCATAGCAGACAGTCACCGAGCAGGAAT ATCATACACACACTCCATATAAGAGTTATAGATGATGTCTATGCTGGTGA TGATATTTTGCTTGCTGTGTACGTGCAGTATACTACTCTTGTTCTGTACG NTCTCGCNCTCTCGGCTCTGTAGCTGTATGTGAGTGTGTTCTGTAGTAGT AGCTATCGCGACGCTGGGTCGGTGGTGCTCTTCACTCTAATGGCAGTGTG TTTGTCTTGATTGTAGTGCTCTCACTACATATCTATCATTACTCGTATCG TACTACTGTTATCTTCTAGCTAGATACTACCATCTACTACTGACCGTACT AGTAGCTACTAACACCTCGCAACGCGACTACGGTATAGTACGGTCTACAT CGAGCGTGACACAACGAGTCACAGAGATGTCGTGCTCGTCGTGGGAATCG GGCTCTGCAGACGCGCGCTTAGATGTACGACATAGGTGCGACTGCTCCAT GAGACTCCATGATCAGATACACGTGTCGCGCTCTACCATCTTAATTATCT GCTGCTCACTGCTATATCAGCATGCACAGCACTATACTACGACGGCACTG GTGATGCTTGATGACACGTCGCTAGTGANACTCACTAGATTGACCGTAGT GCACCACGCGTAGGCGGTCTCTCTGCGTAGGTATCGGCGATCTCGTCCGG ACGCACGCCGCGCGCGCTACGCGAAGGCGCTATATCATCCTTATGGACA TATATGATCGGTGTGTTGAGTCACTAGCAGACTGTGTGTAGCTACCTATG TCACGTCTCGTTCGGCAGAGCATCCAGTGCGCAACAAGGTATAGTAGCGC TAGGATACGCGTACGAGACGCGATGGCGTCGTGCATGTCGCGACGTGCGT ATGACTGATCATATGTGTAGGATGACATGCTGATGCGACGTACTCGTCAT ACATGCCACGACCTCGCGTGAACGCGCATTCGTAGTCCTCAGTACTCGCA NTAGCTGNCTGCGTCGGTCGTACTTATNGTGACCTACGACTCGGCTTNGC TTAGACGAGAGTCGCGACCGGTGCGACGCGTATANTCTGCTNCATTATCA CGATCTAGCACCGCGCACGCTGCTCTCNCGAGTCTTAGCTATCTCACTGT CGTCTGTAACGCTGAGGTCGCGACNTATACGTCCGCTGTAGCGCTACGTG TCTCTATACACTGTTCTCGNATCGACNAGTGCAGCAACTAGCGCACACGC TAGTATCTACGATCACACANCCGAGGTATAGAGTCATAATGATGTNATGT CAGCGCGACTGGCGCTAGGCGCACACGANGCCTACGACGCACGTACTNAN CGAGTGAGTGCGGACGCGACGCTGTATGGTCATTCTATCCCTGCTCGTGN CATGCGNTGCATACGCGCCGTACGATGTATGAGATGTCCGCAGCTGCCGA CCTCGGCTCAGCCGACTACCCACGAGCACGCCGCTAGGCTGGTANGTCCC GATCACTCGGNTGTCGCCTACGCGTNATCTGTCTACCGAGCGATACCGTG **TANAGCGCG**

TACACTTTACATAGTATGCTCTACTCTGAATAAATTCTACTTATAGACTT TTTATATGTGTCTAGCTTATTATATGAGGCATGCGCCTCCCATCCGCGCG CTGACGCTGGCCTCTCTCTATGCGCGGCGTGCGAACGACTGCTAAGCG ACACGGCGTGAGCAAGCGGGCGCGTCNTACTCTGTATCTATATTCTTCTT GTACTTGCTGTGTCTATTCTCTGTACTACTCTCTGCACACTGTGTGATTT TGCTTGCCTCGTATAGCGCTTCGCTTTGGAACTATAAAGTATAGATCCAC CTGATGCATATCTTATCTGATCACGTTATGAACGATTGGAGGTCAAACTA AATGTCGTNCAGAATCGANACACACTCGACGAGCGAATATATTACAGAGC ATCGCGTCGTGATGGTAGTCGATGATAGACACTCGCTGCATCTGTTGTTC TCTGTGTGTTCTCGCCGCCTCTGTTATTCTATTACACAGTCTTATAACAG CATAGTGACTGCATCTATANCAGCCGGACTCTGAGGTCTACTCATTGAGT NAGTCTTGTTCGAACCACATTATTTATATCGCTATACACAGACAATGTGT ACGTCGATAGTGTATGAGATTAGAATATTACGAGCTGTCATCGGATAGTG TTCTCTATGAATTAGCGAAATGCGTAGTGTAGTGGTGCAATCGACTCTCT AGATCATCACTATCGAGTCTACTGATGTGCTAGTGCGTCTCGCGGCTAAG ATGTATTACGTCTGCGCGTGTCCGCTTCGGCTCATAGATCTGTCTCCCTA GCGCTATCTGATTACTGCTACTAGCTGTGCTATGTGACCGTCATATCTGA ACTGATATGTATCACCTATCACACCTCGTAGCTTGATATCGAGACCTTCT ATGTCGTCTCTGCGGTAACGCACATGTAATGTGTCTCATTNTTACCTCTC GATGCACGCTCAATCGTATTCGTACTCGCATATTGTTATCACACTCTCGC TGAGATGCTTATGTGCTCGTCGTTCTCGAGACGTTTGGTACGCGATGTTG AGTAACGCACTGACTCCGGATATGACGTTGTTATAATCGTTTCGTATCCG CTCGATTCGCGATCTANTNTACGGCACGNAGTACACANTNAGCTGANGAA GTGCGTGATCATTATAGACGATGTCGACGTATATCAGAGGATATCCTCAT AGTACGTCGCGCGNACTTTATATAGAAAGTAGGTAGAGTCACTGTATTGT GTATCNAGCGCATTTNCTGCGCGTGACGTAGATGTGCGTTCACGCGCGAG CCAGAGTNATGGAGCACTGTCGTGTACGTANACTCGGCGATGTGTGATCA GNCCGCGACACAAGCACGGATGCACGTGATGCTNATGGAGNGNCAGAGC ACCGATCACTACGNCGCATCGTGCGCATGTAATGCCANCGTTGATGATCA TGGNTANAGCGTGCAGATTGTATGAGAGCATTCCACTAGCTACATAGCGA TGTGCGCGAATTCACATGTTACTCAGCTCATATATCTGCCACACCTAGAC CTGAGTGTTACATTGTAGCTTAGTGCGGAG

1718 >SARS11.B21_G10_-_072.ab1 0 ATCTTAAGAGATCAANAATAGAGNCTATACGATAAGTATAGATATCATAT ATTCTAGTGTACAGACGACAGAATATAAGCGATGGTCATATAACACCTGG CCTCTCGGGGCTGCTCCTAGCCCCCGGAGGATGTAGCGGNCAACGACAAC ATAGCATATGATGACAAATATACATATGCCACTGAGTACATCACGCGCGG CGTGTTACTGTTCGTGGCGGAGCGAGGCAGTTGCCTATCCGACGTCTCGT CGGCTGACGGGCACGTGTCGTTAGGACGCACGCGCCATGTATGCCTGCT GCCTCTTATGACGATAGGTTGCGAGTAACATCATGTGGTACCATTGCTNA CTGTATCGTGACACTCTGCATATTTCAGAATACACTCGTGCTGTCTGAAT GGCGAGTATTATGATTAAGTATCTCTCCATATCACAGCGTAAATCACAAA GANCATACGATACATATACACGTAAATAATATATCTTACACTAATATAAG TCTGGATNCTAGATCCGTCTTCTGTTGAGCGTGTGGTCGAGATCGGGACA GAATATCTTCACTCGCGCGACATCTATCTATCTAATGGTACAATATATNC ACAACACTACGAGATAGATACTACGGACACGACAGTACGTCGATAAGCCG CATCACATCCCGTATTGTTCGTGAGGTGTATATGTCTCCTATANCGTGCA ATGTTCGTCGTGTTAGTGGGAGCGATCCGTACCTAGATACATTGATANAG TATGGGTCGCCGTATTCCGCTGATTGTCTACGTACAGCGTCATGAAAGCG ACTAGAGTATAACGTGCGAGAGATGATGTTACAATTGAATCTGGTGCTAT TATACGATTAAATACGAAAATACGTAAGTGAGTACTAATGAAGATACTGA TATACATTGTCCCTCACACCATGACCTCGCAGCTCTTACGTAGATTATAT ACGACCCAGCCAATATGGGAATGATAGAATGAAGTGATAAGGACTGCCGA GTTATGTCAGCTTGACAATCTCATCTATAGTTGACGCTCTGAATCGGCAC CGTGTAGGACANATAGATACCCTCGGATAAGCATATCAGTATACACTATA CAGAATGGTGCACTCGTATGAGATAATATGCGGACACTAAGGCAGATAGT CCACTACTCANGAGTTACTCTATGCAGTATGCGATAGATGNTAACTTGAN AGACGCGGACTGACGTGCGGTNACTTAAGACTACACTCATCAGATGTTTT

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>SARS11.B21_G11_-_088.ab1 1451 GGACACAGACATCAAGGAGTCTCCATACATCTCAATCGCCTCGTTCTCNG CGCTCTCTGCGCGTAGCACCCGCGCGCGACTCTTGCATATAATTNAAAAT GATACACATGTCTTTGTCGCCCTGCGTCTATCTCTCTTATACTCTATCTT TAGCTATTTGCATTATGTGAGTCTGATAGAATGTATTTTATCGCATATCA TCNATTGCTCTGCGCTATATGCTCANGGAGGTGTGTGCGTGTATCAATTT AGCAATACTGACATGCCATCTGATGTACTCGCGAACTTCTTGATGACTAA CTTGTCATTTATAGGTAACTATATCAAGATACATTAGTGGCGTTGGGAGA CTCCAGCCCTGAGGGCGGCGTATGGGCGTCTGCGATGGGTCTGCTACGT TTCCATTAGATTCTTTATGACCACTAAACTGACGAGCTGTCATATATAGA AAACAGCCCACCATGATGACACTCTAATCGTCCACTCGTCGCACACTCTC AAACAGAGTTCGGTTGCATCATCCTGCTGCCGGCGCGCGATCGCGACGTG TGGACGACACGCAGTGGAAGACGCACTGATGAGAAGAGAGATTACGATGG TGTCGAACTGCGAGTCATACAGATGAGACAGGACACCGCGATATCGCGGG TCCACTTAATACTTACGTATATACTCGCCAGACTCGATTAGACACAACAC GCGACCACACGAGGCGCGCTGCCGTGAGCATAGACTCAGCGCAATCTG TTACTCCACGCATTCAATGCACACGACATTAACATACACTTAGTCTACAC GAGTCATAGATGCACACGATGCGCACGAGTAGCGATGGTGGCTGAANAGA AGATCTGGTGTCGATAGTTCTGCAACCATGCTTATGTGAGCGCGGCAACA GTCCGAGCAATCGATCCTATGTCTTACATCCTACACCGACGCTAGNGATA CACGACGCGCATCCTACACACACGCGCTATACATCAGTGGTGGATGCAT GATGAANGTGTGAGCACGCTGGTGGGATGGCCGCAACTGCACACTTTCGC GCGCGGCGACGCTGCTGTTGTTAACGTGTGACTGCGCGGTGATGCTGTG TTATCACACATATTCGCTACATGTGATTTGCGCGTCATAACACGAGNACG

>SARS11.B21_G12_-_100.ab1 1821 GTCGATGACTGCTGCATATCTGACAACTCGTTGATAAATCCTATCAATAT CTTACTCTATAAAACTTAGCCTAACACTACTTGCATCAAATATAAAGGTA TAGACTATATAGTGTGCCATTCTTCGNATTGTCTGTGCCCTTCGTTTGTC TTTGTCGTCACGCTCCTATAGTATCGCTCACAGTGCTCTACCGTCCGCGT GTGCGCGCACTGTCTGTCAGGCGATCGAGAGTACACGTTCTGTTATGGT GTGAGTACGGCGGAGATATCACTGANAACAGCATATCTCATCTAGTGATG GTAGTTGTAGGAGACGTCGCAGTCGAAATTCTCAGGCGATTCTATACTTC ATCGCAACTCTATACCTCTCAGTGCACGCAGGAGCTCGGTGTGCTGTCGA GTGTGACGAAGAGTGGCAATATGCGATCAGAAACAAAGCCAACAACCGA ATATGGGAAGCATAAGGAGAATAAAAGAAACAGGCTGAACATTAGTATAT AAGAAATCATATAGTAGATGTACCAAGTGGAACGATGAGTGCAGCCGAGA ATATGATAAATATATAGACGTACATGCTAGTGTCATGGACTGCGCAGACT ATCGGTCGACGTGCGTTCACTCTGTCAGGCGTATGCAGGCATGAGTCGAG ATACAGTAGCGCTCGATGGTCATACGCTAGCGGCGAAGAGTNCACACTGA TAGTTNCGTCGTACGTGCTGTGTAAGAGATGGTTCTACTGTATATACTAG TTACTAGACTGTGATACTCTGCCCGAATAACGTCACGCGCGCTACGCACT CGTGGTCACATATACGTGCGTGGTATCGCGATCGTAGACGTANATCAACT AGTCGTAGTATGCTTAGGCGTCGAGGTACGCGAATGAGGTATGTGGAAGT CACGATGACGATACACATGTACTATACTGATATAGTATACATATGATACT ATCACGCTAGTAAGTACACTATCGAGGAGGCTATCAAATCGCGACGTATC GTACATCTCGAGCGGACGAGTGATCATGACATGAGACGACCATACATGAG ATGAAGTATATTGATGAGATATACAGTGTATGGCNGTCATGTACTACGCA ATCACGTCACGACGTTGGTCGGCAATGACGTGTGCTACGCATGCACGTGA CGATATGATTTACATCATGTGGAGATTCATGAGTATCGTGCGATGCGTTC TGATGGTGCATACGTTATACGTGCGTCACNTGTTATGAGTGAGTGAGACT
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